

GIT TASK- 1



Settings / Developer settings

GitHub Apps

OAuth Apps

Personal access tokens

Fine-grained tokens

Beta

Tokens (classic)

Personal access tokens (classic)

Generate new token

Revoke all

Tokens you have generated that can be used to access the [GitHub API](#).

IntelliJ IDEA GitHub integration plugin — *admin:enterprise, admin:pgp_key, admin:org,*

Last used within the last 2 weeks

Delete

admin:org_hook, admin:public_key, admin:repo_hook, admin:ssh_signing_key, delete:packages, delete_repo, gist, notifications, project, repo, user, workflow, write:discussion, write:packages

⚠ This token has no expiration date.

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

Go to file

Add file

<> Code

Local

Codespaces

Clone

?

HTTPS SSH GitHub CLI

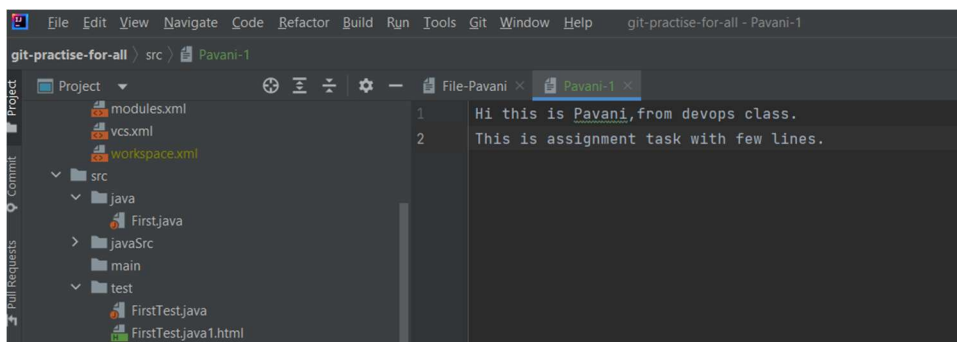
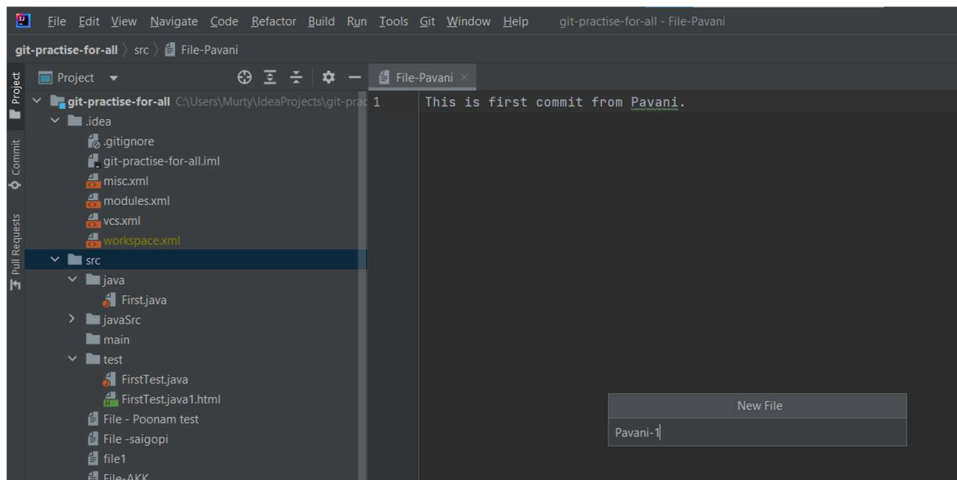
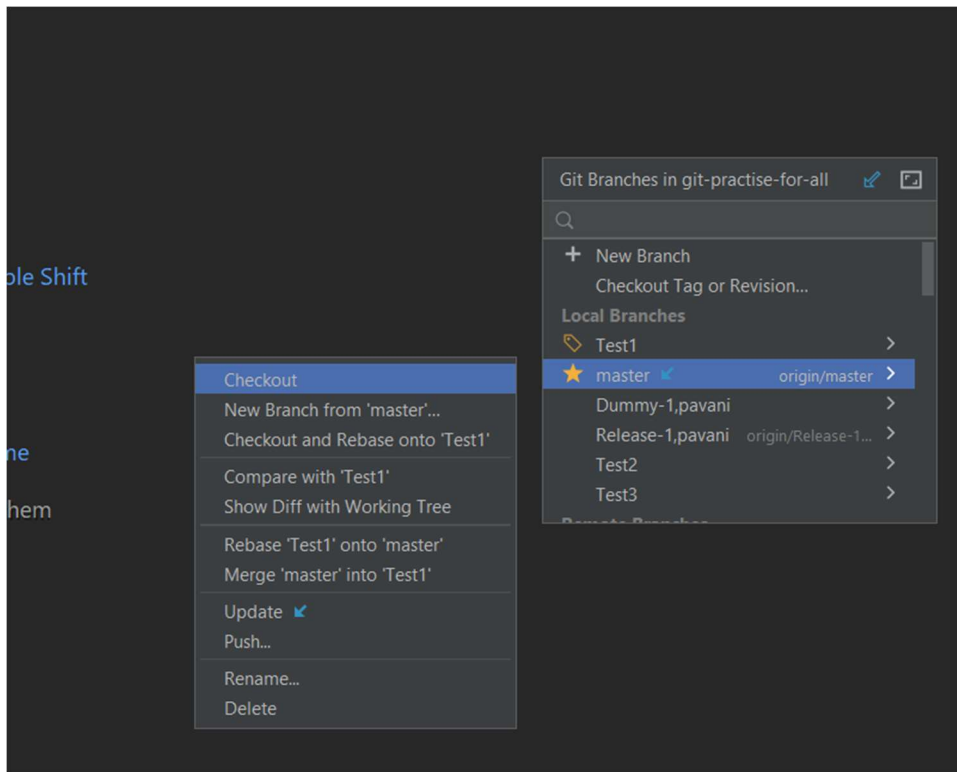
`https://github.com/columbuskvmk/git-practise-`

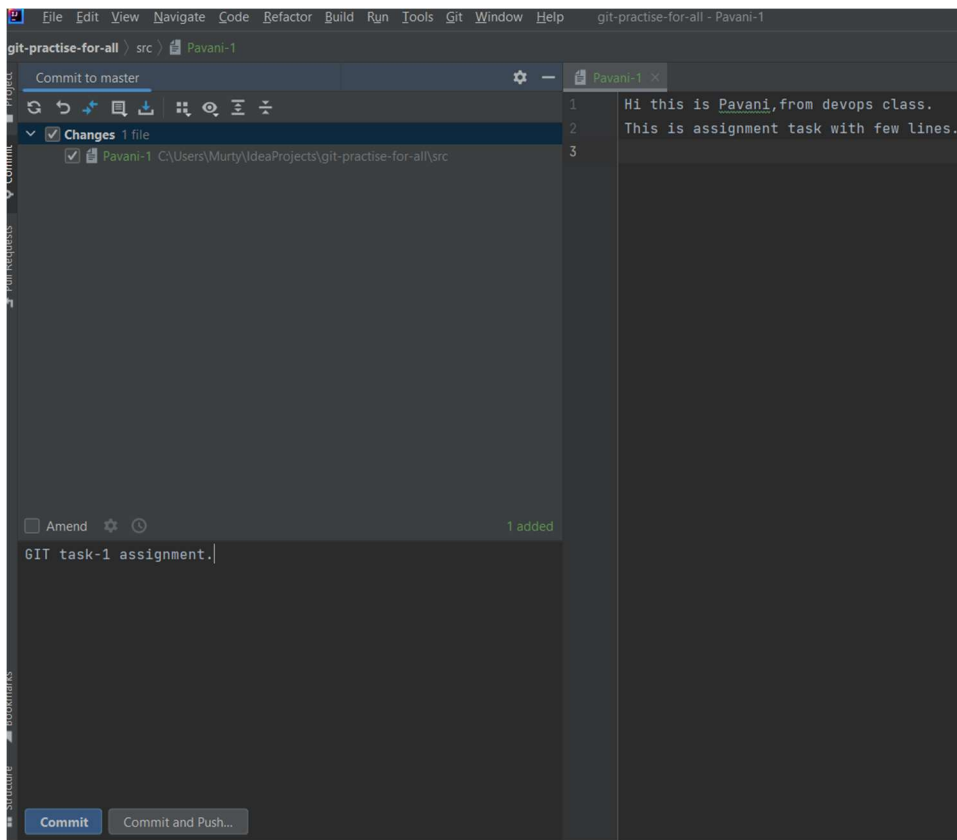
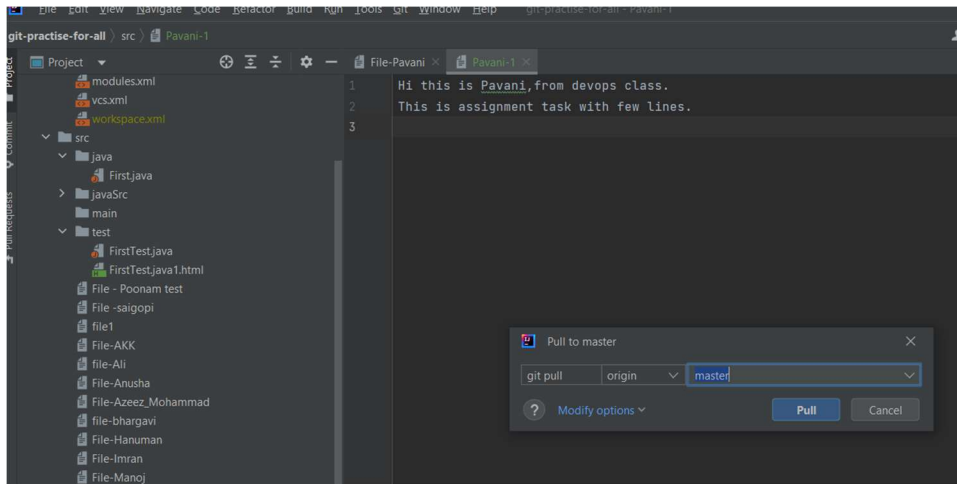


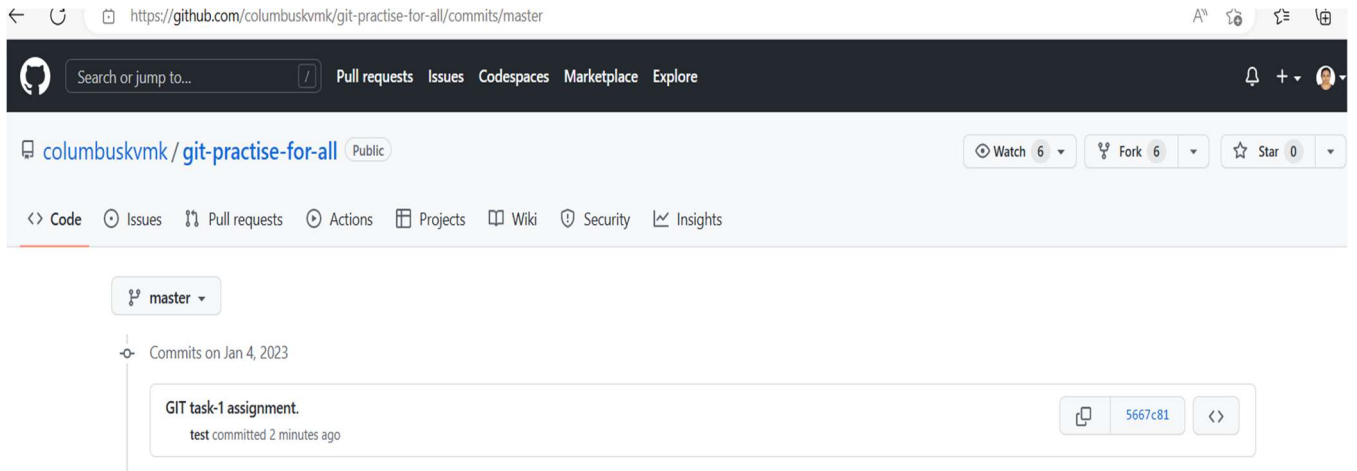
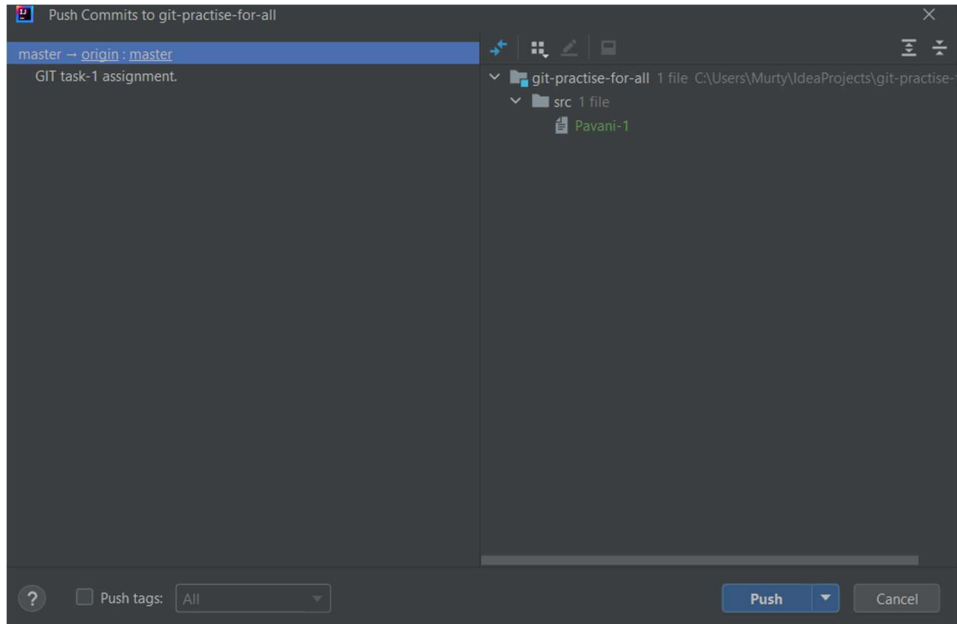
Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

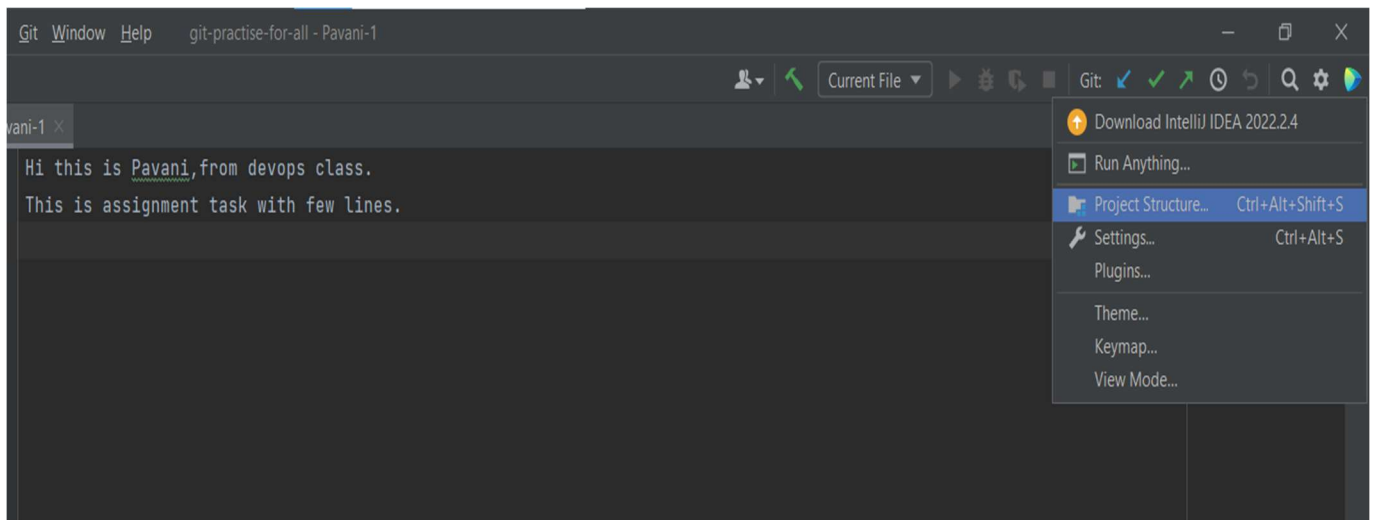
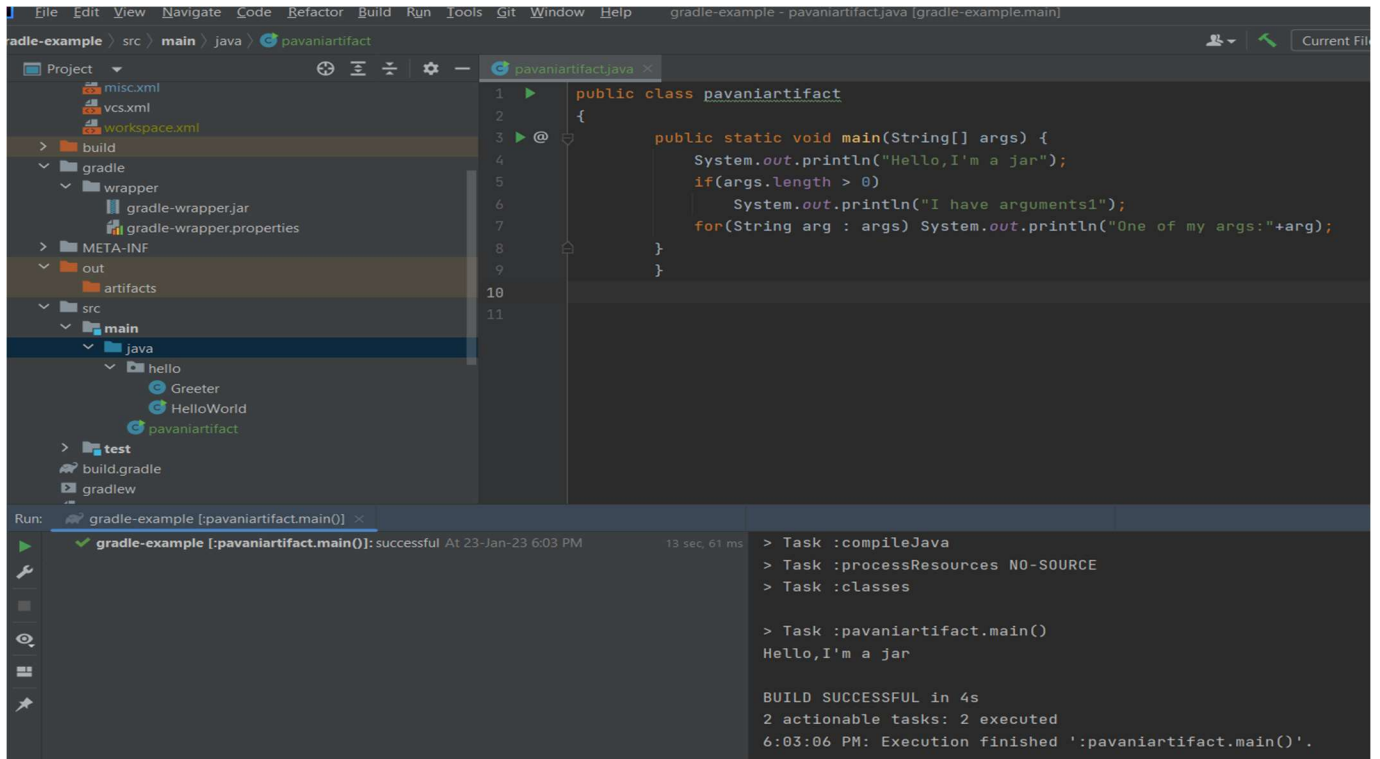
Download ZIP



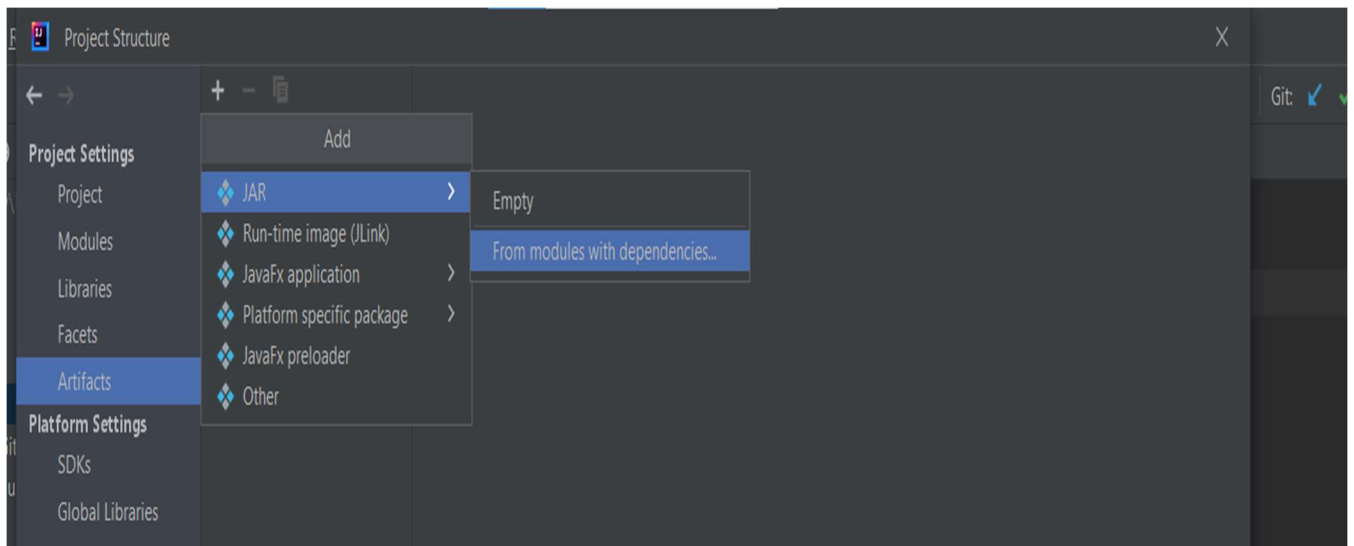
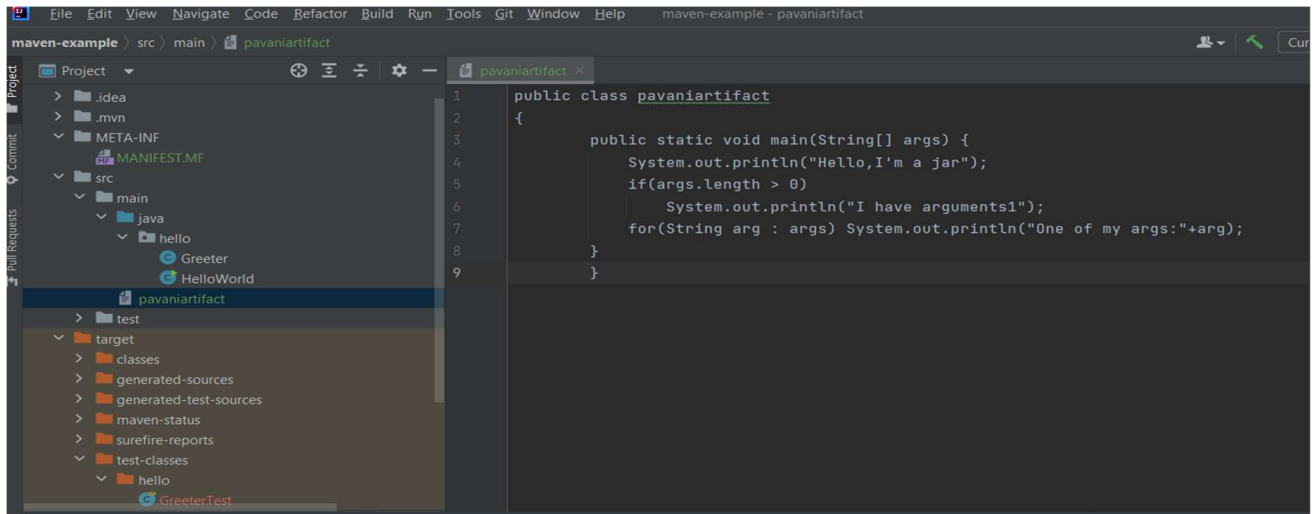


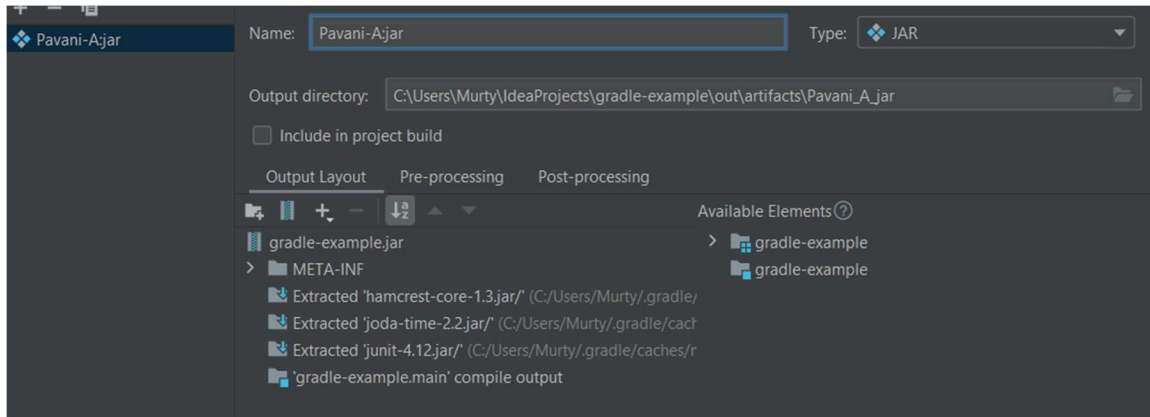
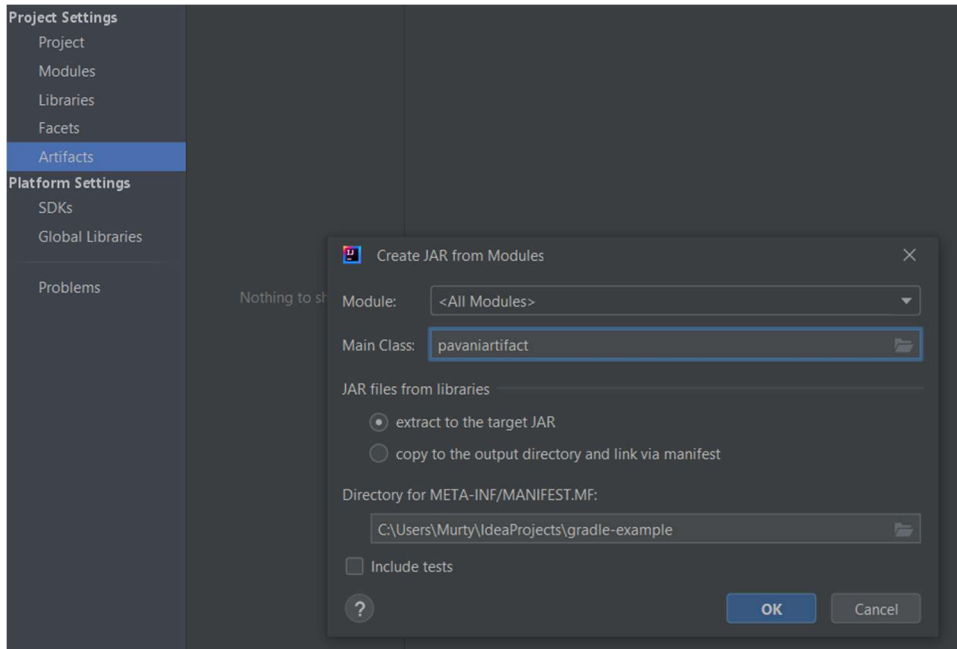


GRADLE ASSIGNMENT



GRADLE –TASK1





```
1 usage
2
3 public class pavaniartifact
4 {
5     public static void main(String[] args) {
6         System.out.println("Hello,I'm a jar");
7         if(args.length > 0)
8             System.out.println("I have arguments1");
9         for(String arg : args) System.out.println("One of my args:"+arg);
10    }
11 }
```

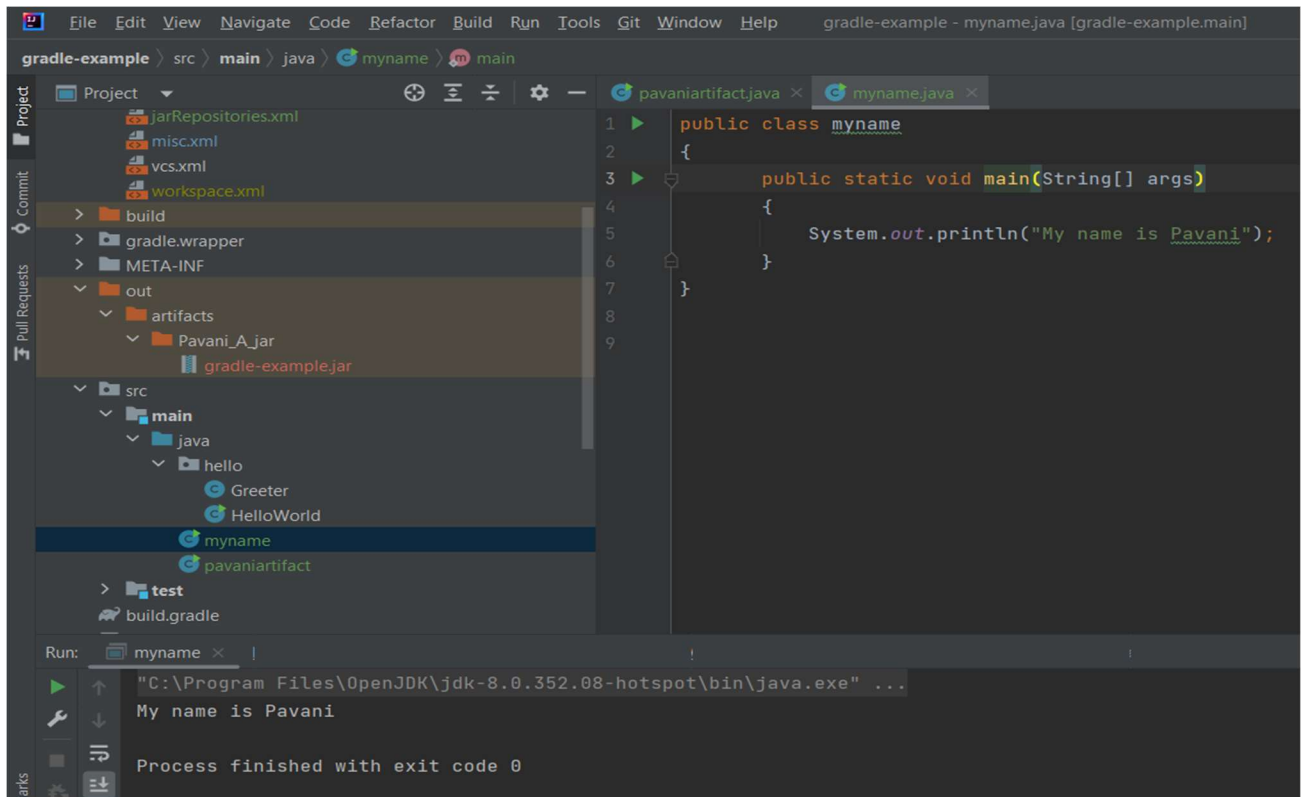
Build Artifact

- Pavani-Ajar > Action
 - Build
 - Rebuild
 - Clean
 - Edit...

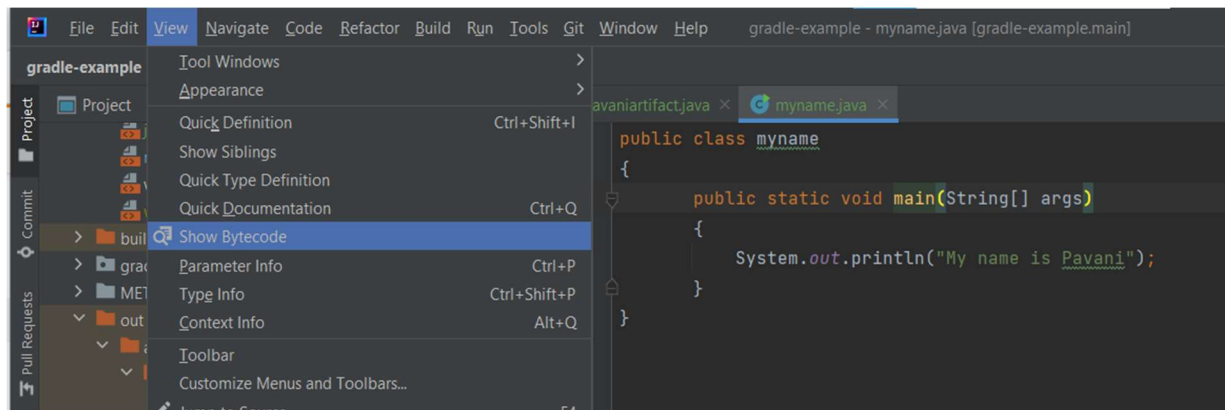
```
C:\Windows\system32>java -jar C:\Users\Murty\IdeaProjects\gradle-example\out\artifacts\Pavani_A_jar\gradle-example.jar
Hello,I'm a jar

C:\Windows\system32>
```

JAVA –Task 1



Task-2



```
myname Bytecode
Class File May Be Out-of-Date
// compiled from: myname.java

// access flags 0x1
public <init>()V
L0
  LINENUMBER 1 L0
  ALOAD 0
  INVOKESPECIAL java/lang/Object.<init> ()V
  RETURN
L1
  LOCALVARIABLE this Lmyname; L0 L1 0
  MAXSTACK = 1
  MAXLOCALS = 1

// access flags 0x9
public static main([Ljava/lang/String;)V
L0
  LINENUMBER 5 L0
  GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
  LDC "My name is Pavani"
  INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V
L1
  LINENUMBER 6 L1
  RETURN
L2
  LOCALVARIABLE args [Ljava/lang/String; L0 L2 0
  MAXSTACK = 2
  MAXLOCALS = 1
}
```

JENKINS-FREESTYLE PROJECT

Enter an item name

» Required field



Freestyle project

This is the central feature of Jenkins. Jenkins will build your project, combining something other than software build.



Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for organizing complex activities that do not easily fit in free-style job type.



Multi-configuration project

Suitable for projects that need a large number of different configurations, such as etc.



Folder

Creates a container that stores nested items in it. Useful for grouping things together in a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

OK

Branch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.

Build Steps

☰ Execute Windows batch command ?

Command

See [the list of available environment variables](#)

```
echo"This is the first free style job"
```

Advanced...

Enter an item name

» Required field



Freestyle project

This is the central feature of Jenkins. Jenkins will build your project, combining something other than software build.



Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for organizing complex activities that do not easily fit in free-style job type.



Multi-configuration project

Suitable for projects that need a large number of different configurations, such as different build agents, etc.



Folder

Creates a container that stores nested items in it. Useful for grouping things in a separate namespace, so you can have multiple things of the same name as children of the folder.

OK

Branch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM.

Build Triggers

Trigger builds remotely (e.g., from scripts) ?

Build after other projects are built ?

Projects to watch

free-style1,|

Trigger only if build is stable

Trigger even if the build is unstable

Trigger even if the build fails

Always trigger, even if the build is aborted

Build periodically ?

GitHub hook trigger for GITScm polling ?

Poll SCM ?

Build Environment

- Delete workspace before build starts
- Use secret text(s) or file(s) ?
- Add timestamps to the Console Output
- Inspect build log for published build scans
- Terminate a build if it's stuck
- With Ant ?

Build Steps

☰ **Execute Windows batch command** ?

Command

See [the list of available environment variables](#)

```
echo"This is first freestyle-1 project running"|
```

Enter an item name

» Required field



Freestyle project

This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.



Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.



Multi-configuration project

Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.



Folder

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

OK

Branch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.

Configure

- General
- Source Code Management
- Build Triggers**
- Build Environment
- Build Steps
- Post-build Actions

Build Triggers

- Trigger builds remotely (e.g., from scripts) ?
- Build after other projects are built ?
 - Projects to watch
 -
 - Trigger only if build is stable
 - Trigger even if the build is unstable
 - Trigger even if the build fails
 - Always trigger, even if the build is aborted
- Build periodically ?
- GitHub hook trigger for GITScm polling ?
- Poll SCM ?

Build Environment

Save

Apply

Build Steps

Execute Windows batch command ?

Command

See [the list of available environment variables](#)

```
echo"This is freestyle -3 ,3rd job in sequence"
```

Advanced...

Add build step ▾

S	W	Name ↓	Last Success	Last Failure	Last Duration	
⋮	☀	free-style1	N/A	N/A	N/A	▶
⋮	☀	free-style2	N/A	N/A	N/A	▶
⋮	☀	freestyle-3	N/A	N/A	N/A	▶

Console Output

```

Started by user Pavani Anantapalli
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\free-style1
[free-style1] $ cmd /c call C:\Windows\TEMP\jenkins4973004167873740429.bat

C:\ProgramData\Jenkins\.jenkins\workspace\free-style1>echo "This is the first free style job"
"This is the first free style job"

C:\ProgramData\Jenkins\.jenkins\workspace\free-style1>exit 0
Triggering a new build of free-style2
Finished: SUCCESS

```

Console Output

```

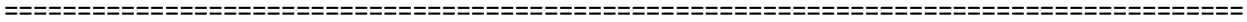
Started by upstream project "free-style2" build number 2
originally caused by:
  Started by upstream project "free-style1" build number 14
  originally caused by:
    Started by user Pavani Anantapalli
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\freestyle-3
[freestyle-3] $ cmd /c call C:\Windows\TEMP\jenkins11441297302440061097.bat

C:\ProgramData\Jenkins\.jenkins\workspace\freestyle-3>echo "This is freestyle -3 ,3rd job in sequence"
"This is freestyle -3 ,3rd job in sequence"

C:\ProgramData\Jenkins\.jenkins\workspace\freestyle-3>exit 0
Finished: SUCCESS


```


S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☁️	free-style1	4 min 7 sec #14	26 min #12	0.19 sec
✓	☁️	free-style2	3 min 59 sec #2	13 min #1	0.24 sec
✓	☁️	freestyle-3	3 min 49 sec #2	12 min #1	0.29 sec




Enter an item name


» Required field




Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system something other than software build.



Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.



Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines for organizing complex activities that do not easily fit in free-style job type.



Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments etc.

Folder

a container that stores nested items in it. Useful for grouping things together. Unlike view, which

General

Enabled 

Description

This job picks up the code from repo whenever new commit happens to master [branch](#)

[Plain text] [Preview](#)

Discard old builds [?](#)

GitHub project

Project url [?](#)

<https://github.com/columbuskvmk/gradle-demo-1.git>

[Advanced...](#)

Source Code Management

None

Git [?](#)

Repositories [?](#)

Repository URL [?](#)

<https://github.com/columbuskvmk/gradle-demo-1.git>

Credentials [?](#)

[pavani2345/*****](#) (Credits for the repo) 

[+ Add](#)

[Advanced...](#)

Branches to build [?](#)

Branch Specifier (blank for 'any') [?](#)

*/master

[Add Branch](#)

Build Steps

☰ **Invoke Gradle script** ?

Invoke Gradle ?

Use Gradle Wrapper ?

Make gradlew executable

Wrapper location ?

Tasks ?

build

```
Administrator: Command Prompt - ngrok http 9090
ngrok
(ctr+c to quit)
Try our new native Go library: https://github.com/ngrok/ngrok-go
Session Status      online
Session Expires    1 hour, 59 minutes
Terms of Service    https://ngrok.com/tos
Version             3.1.1
Region              India (in)
Latency             18ms
Web Interface       http://127.0.0.1:4040
Forwarding           https://7bdb-122-175-189-77.in.ngrok.io -> http://localhost:9090
Connections
  ttl   opn   rt1   rt5   p50   p90
   0    0    0.00 0.00 0.00 0.00
```

Webhooks

Add webhook

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

- <https://7bdb-122-175-189-77.in.ngr...> (push)

Edit Delete



Commit changes

Update HelloWorldTests.java

Add an optional extended description...

- Commit directly to the `master` branch.
- Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes Cancel

General

Webhooks / Manage webhook

Access

Settings Recent Deliveries

Collaborators

Moderation options

Code and automation




Branches

✓	 013d5b5c-9e6d-11ed-8ae9-4369d65abe94	push	2023-01-27 23:34:14	...
✓	 376a66d0-9e6c-11ed-9495-465e8bbb4c76	ping	2023-01-27 23:28:36	...

Webhooks / Manage webhook

Settings


Recent Deliveries

✓	 ad14f66a-9e6d-11ed-9d68-2d580125ec82	push	2023-01-27 23:39:03	...
✓	 013d5b5c-9e6d-11ed-8ae9-4369d65abe94	push	2023-01-27 23:34:14	...
✓	 376a66d0-9e6c-11ed-9495-465e8bbb4c76	ping	2023-01-27 23:28:36	...

 Status

 Changes

 Console Output

 View as plain text

 Edit Build Information

 Delete build '#16'

 Git Build Data

 Previous Build

Executed Gradle Tasks

- Task :compileJava
- Task :processResources
- Task :classes
- Task :jar
- Task :startScripts
- Task :distTar
- Task :distZip
- Task :assemble
- Task :comileTestJava

Console Output

```
Started by user Pavani Anantapalli
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\git-jenkins-build-demo
The recommended git tool is: NONE
using credential f827308b-ce9f-49d9-b841-17bd1a769b62
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\git-jenkins-build-demo\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/Pavani2345/gradle-demo-1.git # timeout=10
Fetching upstream changes from https://github.com/Pavani2345/gradle-demo-1.git
> git.exe --version # timeout=10
> git --version # 'git version 2.38.0.windows.1'
using GIT_ASKPASS to set credentials Credits
> git.exe fetch --tags --force --progress -- https://github.com/Pavani2345/gradle-demo-1.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
Checking out Revision 57bb916d993e579da1e1c3914de76ab356cb450b (refs/remotes/origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 57bb916d993e579da1e1c3914de76ab356cb450b # timeout=10
Commit message: "Update HelloWorldTests.java"
> git.exe rev-list --no-walk 57bb916d993e579da1e1c3914de76ab356cb450b # timeout=10
[Gradle] - Launching build.
[git-jenkins-build-demo] $ cmd.exe /C "C:\ProgramData\Jenkins\.jenkins\workspace\git-jenkins-build-demo\gradlew.bat --scan -s build && exit
%%ERRORLEVEL%%"
Downloading https://services.gradle.org/distributions/gradle-6.0.1-bin.zip
```

```
.....
Unzipping C:\Windows\system32\config\systemprofile\.gradle\wrapper\dists\gradle-6.0.1-bin\1lxlpkiy24sb18odw96cp4ojv\gradle-6.0.1-bin.zip to
C:\Windows\system32\config\systemprofile\.gradle\wrapper\dists\gradle-6.0.1-bin\1lxlpkiy24sb18odw96cp4ojv
```

Welcome to Gradle 6.0.1!

Here are the highlights of this release:

- Substantial improvements in dependency management, including
 - Publishing Gradle Module Metadata in addition to pom.xml
 - Advanced control of transitive versions
 - Support for optional features and dependencies
 - Rules to tweak published metadata
- Support for Java 13
- Faster incremental Java and Groovy compilation
- New Zinc compiler for Scala
- VS2019 support
- Support for Gradle Enterprise plugin 3.0

For more details see <https://docs.gradle.org/6.0.1/release-notes.html>

Starting a Gradle Daemon (subsequent builds will be faster)

```
> Task :compileJava
> Task :processResources NO-SOURCE
> Task :classes
> Task :jar
> Task :startScripts
> Task :distTar
> Task :distZip
> Task :assemble
> Task :compileTestJava
> Task :processTestResources NO-SOURCE
> Task :testClasses
> Task :test
> Task :check
> Task :build
```

BUILD SUCCESSFUL in 55s

7 actionable tasks: 7 executed

The build scan was not published due to a configuration problem.

The Gradle Terms of Service have not been agreed to.

For more information, please see <https://gradle.com/scans/help/plugin-terms-of-service>.

Alternatively, if you are using Gradle Enterprise, specify the server location.

For more information, please see <https://gradle.com/scans/help/plugin-enterprise-config>.

Build step 'Invoke Gradle script' changed build result to SUCCESS

Finished: SUCCESS

SPRINGBOOTMICROSERVICES

TASK-1

Project

- Gradle - Groovy
 Gradle - Kotlin Maven

Language

- Java Kotlin Groovy

Spring Boot

- 3.0.3 (SNAPSHOT) 3.0.2 2.7.9 (SNAPSHOT) 2.7.8

Project Metadata

Group	<input type="text" value="com.test"/>
Artifact	<input type="text" value="testartifact"/>
Name	<input type="text" value="testartifact"/>
Description	<input type="text" value="Demo project for Spring Boot"/>
Package name	<input type="text" value="com.test.testartifact"/>
Packaging	<input type="radio"/> Jar <input checked="" type="radio"/> War

Dependencies[ADD DEPENDENCIES... CTRL + B](#)**Spring Boot DevTools** DEVELOPER TOOLS

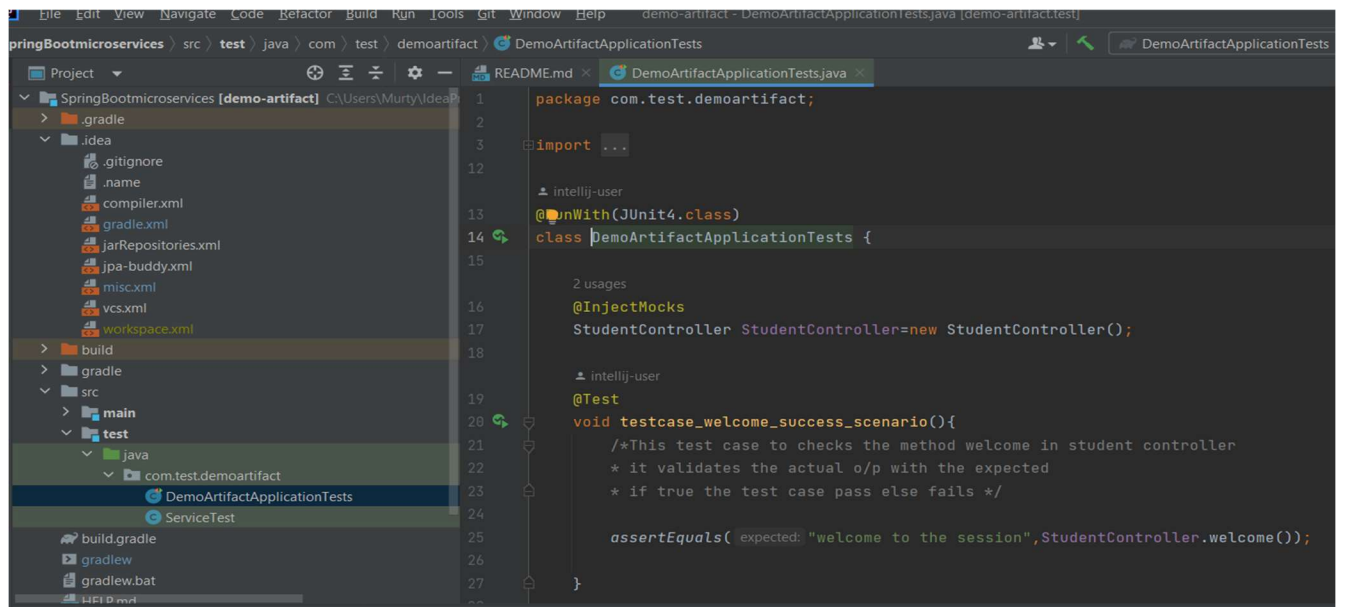
Provides fast application restarts, LiveReload, and configurations for enhanced development experience.

Spring Web WEB

Build web, including RESTful, applications using Spring MVC. Uses Apache Tomcat as the default embedded container.

Spring Data JDBC SQL

Persist data in SQL stores with plain JDBC using Spring Data.



```
File Edit View Navigate Code Refactor Build Run Tools Git Window Help demo-artifact - DemoArtifactApplicationTests.java [demo-artifact.test]
springBootmicroservices > src > test > java > com > test > demoartifact > DemoArtifactApplicationTests DemoArtifactApplicationTests
Project
SpringBootmicroservices [demo-artifact] C:\Users\Murty\IdeaB...
  .gradle
  .idea
    .gitignore
    .name
    compiler.xml
    gradle.xml
    jarRepositories.xml
    jpa-buddy.xml
    misc.xml
    vcs.xml
    workspace.xml
  build
  gradle
  src
    main
    test
      java
        com.test.demoartifact
          DemoArtifactApplicationTests
          ServiceTest
  build.gradle
  gradlew
  gradlew.bat
  HELP.md

1 package com.test.demoartifact;
2
3 import ...
4
5 @RunWith(JUnit4.class)
6
7 class DemoArtifactApplicationTests {
8
9     2 usages
10    @InjectMocks
11    StudentController studentController=new StudentController();
12
13    @Test
14    void testcase_welcome_success_scenario(){
15
16        /*This test case to checks the method welcome in student controller
17        * it validates the actual o/p with the expected
18        * if true the test case pass else fails */
19
20        assertEquals( expected: "welcome to the session",studentController.welcome());
21    }
22
23
24
25
26
27
28
```



```

Run: SpringBootmicroservices [DemoArtifactApplication.main()] x
SpringBootmicroservices [DemoArti 20 min, 36 sec
  :compileJava 4 sec, 757 ms
  EmployeeOperationsImpl.java src\main\java\c
  uses unchecked or unsafe operations. :1
  :DemoArtifactApplication.main() 20 min, 8 sec

11:41:09 AM: Executing ':DemoArtifactApplication.main()'...
Starting Gradle Daemon...
Gradle Daemon started in 2 s 667 ms

> Task :compileJava
Note: C:\Users\Murty\IdeaProjects\SpringBootmicroservices\src\mai
Note: Recompile with -Xlint:unchecked for details.

> Task :processResources
> Task :classes

> Task :DemoArtifactApplication.main()

  _ _ _ _ _
 / \ / ___' _ _ _ _ _ _ _ _ _ _ _ \ \ \ \ \
( ( )\___ | ' | ' | | ' | ' \ \ \ \ \ \ \ \ \
 \ \ / ___| |_) | | | | | | | | | | | | | | | |
  ' |____| .__| | | | | | | | | | | | | | | | |
 =====|_|=====|__/_/ _/_/_/
 :: Spring Boot ::                (v2.7.6)

```

```

2023-01-29 11:41:39.155 INFO 7092 --- [
2023-01-29 11:41:39.175 INFO 7092 --- [
2023-01-29 11:41:42.179 INFO 7092 --- [
2023-01-29 11:41:42.198 INFO 7092 --- [
2023-01-29 11:41:42.198 INFO 7092 --- [
2023-01-29 11:41:42.368 INFO 7092 --- [
2023-01-29 11:41:42.369 INFO 7092 --- [
2023-01-29 11:41:43.300 INFO 7092 --- [
2023-01-29 11:41:43.333 INFO 7092 --- [

main] c.t.d.DemoArtifactApplication : Starting DemoArtifactApplication using
main] c.t.d.DemoArtifactApplication : The following 1 profile is active: "de
main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8089
main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat
main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplic
main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initializ
main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8089 (http
main] c.t.d.DemoArtifactApplication : Started DemoArtifactApplication in 5.6

```

Working locally in Scratch Pad. [Switch to a Works](#)

Scratch Pad New Import Overview GET http://localhost:8089/E + ...

Collections ...

- Today
 - GET http://localhost:8089/Employee/welcor

APIs

Environments

Mock Servers

Monitors

History

http://localhost:8089/Employee/welcome

GET http://localhost:8089/Employee/welcome

Params Authorization **Headers (6)** Body Pre-request Script Tests Se

Headers 6 hidden

KEY	VALUE
Key	Value

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize Text ...

```
1 welcome to the session
```

Find and Replace Console

- GET http://localhost:8082/Employee/welcome
- GET http://localhost:8082/Employee/welcome
- GET http://localhost:8089/Employee/welcome

Scratch Pad Overview GET http://localhost:8089/E

http://localhost:8089/Employee/getEmployeeDetails

GET http://localhost:8089/Employee/getEmployeeDetails

Params Authorization Headers (6) Body Pre-request Script Tests Sett

Headers 6 hidden

KEY	VALUE
Key	Value

Body Cookies Headers (6) Test Results

Pretty Raw Preview Visualize JSON

```

1
2 "timestamp": "2023-01-29T06:59:44.414+00:00",

```

Find and Replace Console

- GET http://localhost:8082/Employee/welcome
- GET http://localhost:8082/Employee/welcome
- GET http://localhost:8089/Employee/welcome
- GET http://localhost:8089/Employee/getAllEmployees
- GET http://localhost:8089/Employee/getEmployeeDetails

TASK-2

SpringBootmicroservices [DemoArtifactApplication.main] DemoArtifactApplicationTests

Tests passed: 2 of 2 tests - 47 ms

Test Results 47 ms

```

Starting Gradle Daemon...
Gradle Daemon started in 3 s 805 ms

> Task :compileJava UP-TO-DATE
> Task :processResources UP-TO-DATE
> Task :classes UP-TO-DATE
> Task :compileTestJava
> Task :processTestResources NO-SOURCE
> Task :testClasses
> Task :test
null
null
BUILD SUCCESSFUL in 19s
4 actionable tasks: 2 executed, 2 up-to-date
1:12:26 PM: Execution finished ':test --tests "com.test.demoartifact.DemoArtifactApplicationTests"'.

```

School of C JNTUH SCD Assessment columbusk Pavan C&D GITHUB.do Postman Te Test script localhost:80

localhost:8089/Employee/welcome

welcome to the session

http://localhost:8089/Employee/getEmployeeDetails

POST http://localhost:8089/Employee/getEmployeeDetails

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL Text

```
1 5
```

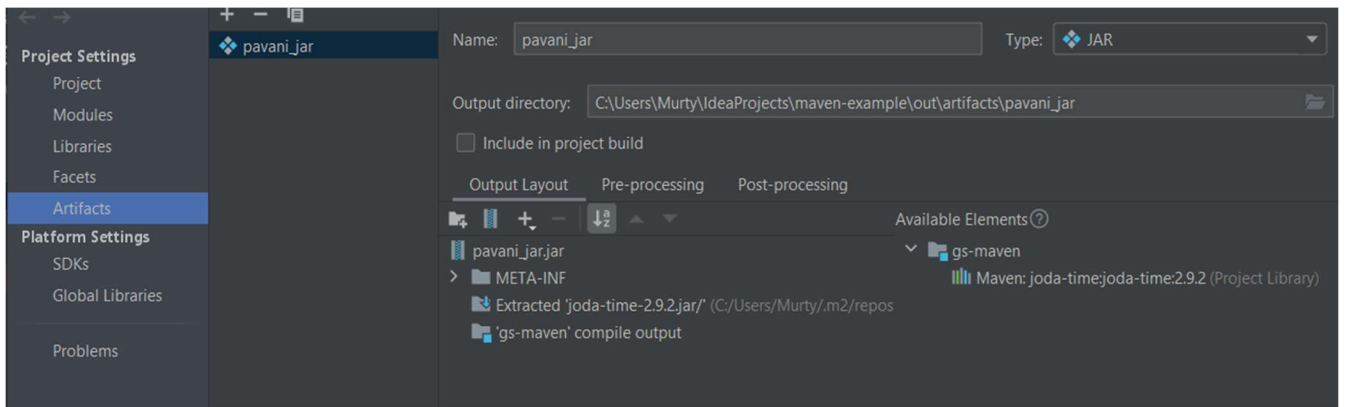
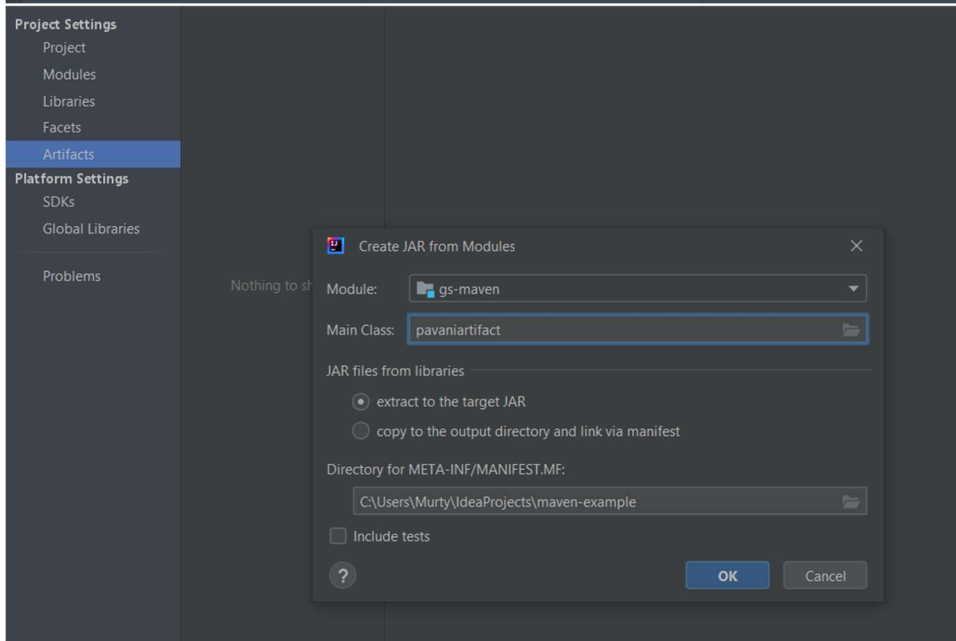
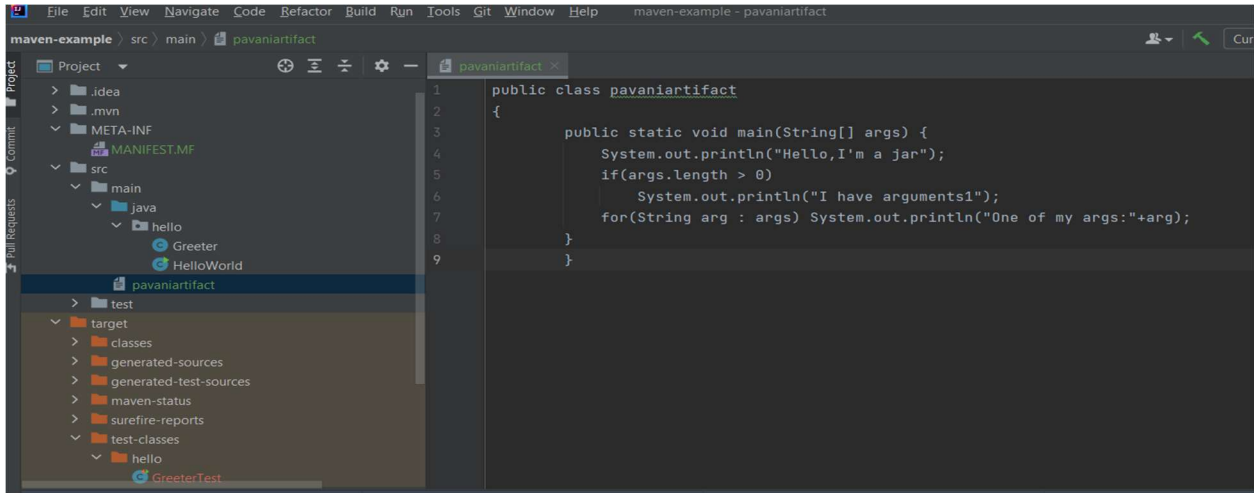
Body Cookies Headers (5) Test Results

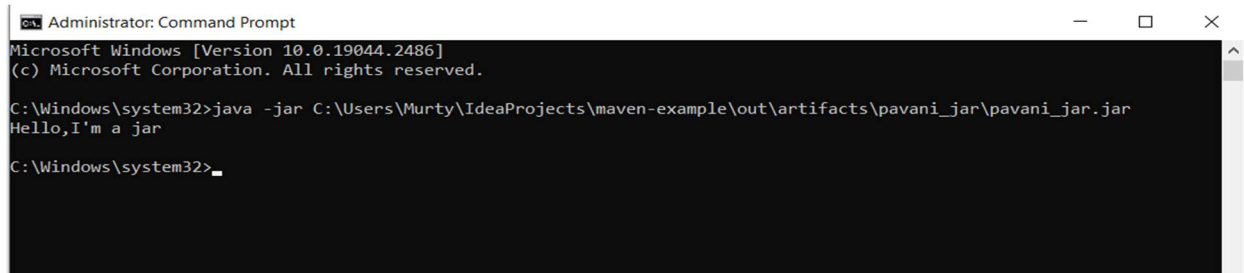
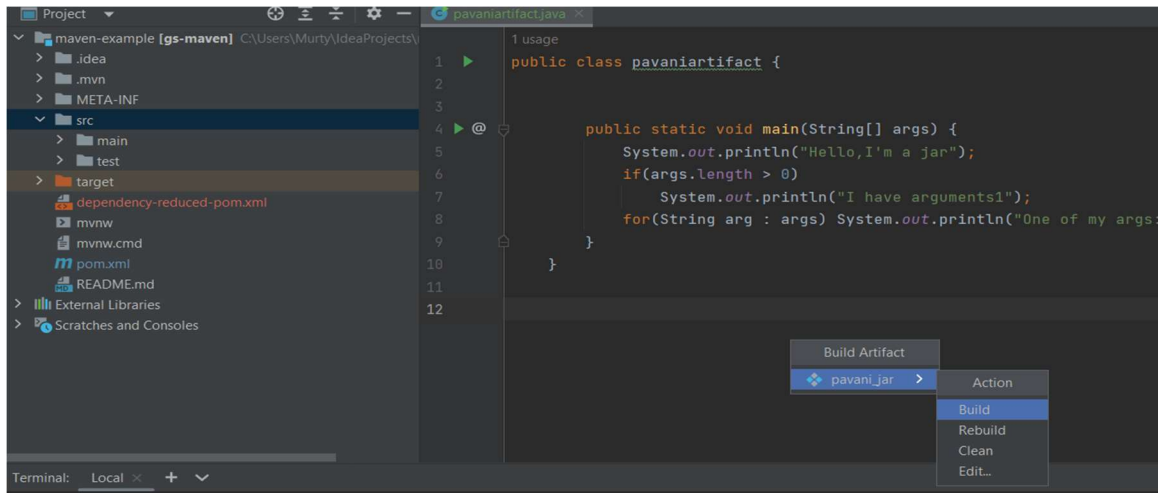
Status: 200 OK

Pretty Raw Preview Visualize Text

```
1 Employee Name : emp5 Employee id :5 employee salary : 50000
```

MAVEN-TASK





LAMBDA-TASK 1

Create function [Info](#)

AWS Serverless Application Repository applications have moved to [Create application](#).

Author from scratch

Start with a simple Hello World example.



Use a blueprint

Build a Lambda application from sample code and configuration presets for common use cases.



Container

Select a container

Basic information

Function name

Enter a name that describes the purpose of your function.

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime [Info](#)

Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Architecture [Info](#)

Choose the instruction set architecture you want for your function code.

 x86_64 arm64

MY-Function-LamdaPavani

▼ Function overview [Info](#)



MY-Function-LamdaPavani



Layers (0)

Code source [Info](#)

File Edit Find View Go Tools Window **Test** | **Deploy** Changes not deployed

Go to Anything (Ctrl-P)

Environment
MY-Function-Lamda
lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     # TODO implement
5     print("HELLO MY NAME IS PAVANI FROM CLOUD & DEVOPS")
6     return {
7         'statusCode': 200,
8         'body': json.dumps('Hello from Lambda!')}
9
10
```

Configure test event



A test event is a JSON object that mocks the structure of requests emitted by AWS services to invoke a Lambda function. Use it to see the function's invocation result.

To invoke your function without saving an event, configure the JSON event, then choose Test.

Test event action

Create new event

Edit saved event

Event name

PAVANI-EVENT

Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.

Event sharing settings

Private

This event is only available in the Lambda console and to the event creator. You can configure a total of 10. [Learn more](#)

Shareable

This event is available to IAM users within the same account who have permissions to access and use shareable events. [Learn more](#)

Template - *optional*

hello-world

Event JSON

Format JSON

```
1 {  
2   "key1": "value1",  
3   "key2": "value2",  
4   "key3": "value3"  
5 }
```

Code source [Info](#) Upload from ▾

File Edit Find View Go Tools Window **Test** Deploy ⌵ ⌵ ⚙

Go to Anything (Ctrl-P) lambda_function x Execution result x +

Environment

- MY-Function-Lambda ⚙
- lambda_function.py

Execution results Status: Succeeded Max memory used: 36 MB Time: 4.91 ms

Test Event Name
PAVANI-EVENT

Response

```
{
  "statusCode": 200,
  "body": "\\Hello from Lambda!\\\""}

```

Function Logs
 START RequestId: 3fc0a9a4-cd32-4858-ada0-996286f1dc5f Version: \$LATEST
 HELLO MY NAME IS PAVANI FROM CLOUD & DEVOPS
 END RequestId: 3fc0a9a4-cd32-4858-ada0-996286f1dc5f
 REPORT RequestId: 3fc0a9a4-cd32-4858-ada0-996286f1dc5f Duration: 4.91 ms Billed Duration: 5 ms Memory Size: 128 MB Max Memory Used: 36 MB Init Duration: 116.

Request ID
3fc0a9a4-cd32-4858-ada0-996286f1dc5f

Log streams Metric filters Subscription filters Contributor Insights Tags Data protection - new

Log streams (1) 🔄 Delete Create log stream

🔍 Filter log streams or try prefix search Exact match Show expired [🔗](#)

<input type="checkbox"/>	Log stream	Last event time
<input type="checkbox"/>	2023/01/30/[\$LATEST]11c4312b6cc24a60be6570126602754a	2023-01-30 15:03:33 (UTC+05:30)

Log events
 You can use the filter bar below to search for and match terms, phrases, or values in your log events. [Learn more about filter patterns](#) [🔗](#)

🔄 Actions ▾ Create metric filter

🔍 Filter events Clear 1m 30m 1h 12h Custom 🗒 Display ▾ ⚙

▶	Timestamp	Message
No older events at this moment. Retry		
▶	2023-01-30T15:03:33.542+05:30	INIT_START Runtime Version: python:3.9.v16 Runtime Version ARN: arn:aws:lambda:us-east-1::runtime:07a48df201798d627f2b...
▶	2023-01-30T15:03:33.659+05:30	START RequestId: 3fc0a9a4-cd32-4858-ada0-996286f1dc5f Version: \$LATEST
▼	2023-01-30T15:03:33.660+05:30	HELLO MY NAME IS PAVANI FROM CLOUD & DEVOPS HELLO MY NAME IS PAVANI FROM CLOUD & DEVOPS
▶	2023-01-30T15:03:33.666+05:30	END RequestId: 3fc0a9a4-cd32-4858-ada0-996286f1dc5f
▶	2023-01-30T15:03:33.666+05:30	REPORT RequestId: 3fc0a9a4-cd32-4858-ada0-996286f1dc5f Duration: 4.91 ms Billed Duration: 5 ms Memory Size: 128 MB Max...
No newer events at this moment. Auto retry paused. Resume		

Copy

TASK-2

Queues (1)								Edit	Delete	Send and receive messages	Actions ▼	Create queue
Name	Type	Created	Messages available	Messages in flight	Encryption	Content-based deduplication						
PAVANI-SQS	Standard	Jan 30, 2023, 15:54:54 GMT+5:30	0	0	Disabled	-						

[Amazon SQS](#) > [Queues](#) > [Create queue](#)

Create queue

Details

Type
Choose the queue type for your application or cloud infrastructure.

- Standard Info**
At-least-once delivery, message ordering isn't preserved
 - At-least once delivery
 - Best-effort ordering
- FIFO Info**
First-in-first-out delivery, message ordering
 - First-in-first-out delivery
 - Exactly-once processing

You can't change the queue type after you create a queue.

Name

 A queue name is case-sensitive and can have up to 80 characters. You can use alphanumeric characters, hyphens (-), and underscores (_).

Configuration

Set the maximum message size, visibility to other consumers, and message retention. [Info](#)

Visibility timeout [Info](#)
 ▼
 Should be between 0 seconds and 12 hours.

Message retention period [Info](#)
 ▼
 Should be between 1 minute and 14 days.

Delivery delay [Info](#)
 ▼
 Should be between 0 seconds and 15 minutes.

Maximum message size [Info](#)

 Should be between 1 KB and 256 KB.

Receive message wait time [Info](#)

 Should be between 0 and 20 seconds.

▼ Encryption

Amazon SQS provides in-transit encryption by default. To add at-rest encryption to your queue, enable server-side encryption. [Info](#)

Server-side encryption

- Disabled
- Enabled

Access policy

Define who can access your queue. [Info](#)

Choose method

- Basic**
Use simple criteria to define a basic access policy.

- Advanced**
Use a JSON object to define an advanced access policy.

Define who can send messages to the queue

- Only the queue owner**
Only the owner of the queue can send messages to the queue.
- Only the specified AWS accounts, IAM users and roles**
Only the specified AWS account IDs, IAM users and roles can send messages to the queue.

Define who can receive messages from the queue

- Only the queue owner**
Only the owner of the queue can receive messages from the queue.
- Only the specified AWS accounts, IAM users and roles**
Only the specified AWS account IDs, IAM users and roles can receive messages from the queue.

JSON (read-only)

```
{
  "Version": "2008-10-17",
  "Id": "__default_policy_ID",
  "Statement": [
    {
      "Sid": "__owner_statement",
      "Effect": "Allow",
      "Principal": {
        "AWS": "871984970178"
      },
      "Action": [
        "SQS:*"
      ]
    }
  ]
}
```

.lambda > Functions > LAMBDA-PAVANI-ANANTAPALLI

LAMBDA-PAVANI-ANANTAPALLI

Throttle



▼ Function overview [Info](#)

 **LAMBDA-PAVANI-ANANTAPALLI**

 Layers (0)

+ Add trigger


+ Add destination

Description

-

Last modified
6 seconds ago

Function ARN

 arn:aws:lambda:us-east-1:871:A-PAVANI-ANANTAPALLI

Function URL [Info](#)

-

Create function [Info](#)

AWS Serverless Application Repository applications have moved to [Create application](#).

Author from scratch

Start with a simple Hello World example.



Use a blueprint

Build a Lambda application from sample code and configuration presets for common use cases.

Basic information

Function name

Enter a name that describes the purpose of your function.

LAMBDA-PAVANI-ANANTAPALLI

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime [Info](#)

Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Python 3.9

Architecture [Info](#)

Choose the instruction set architecture you want for your function code.

x86_64

arm64

Add permissions

Policy statement

AWS account

Grant permissions to another AWS account, user, or role.

AWS service

Grant permissions to another AWS service.

Function URL

Grant permissions to invoke function through the function URL.

Service

The AWS service to grant permissions to.

SQS

Statement ID

Enter a unique statement ID to differentiate this statement within the policy.

PAVANI-TEST

Principal

The service principal for this AWS service. [Learn more](#)

sqs.amazonaws.com

Source ARN

The ARN for a resource. Find the ARN in the related service console.

arn:aws:sqs:us-east-1:871984970178:PAVANI-SQS

Action

Choose an action to allow.

lambda:InvokeFunction

Code | Test | Monitor | **Configuration** | Aliases | Versions

General configuration | Triggers | **Permissions** | Destinations | Function URL | Environment variables

Execution role Edit

Role name
[LAMBDA-PAVANI-ANANTAPALLI-role-hn3nbkvt](#)

Resource summary View role document

None

Supported runtimes: Java 11 (Corretto).

Timeout

0 min 3 sec

Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the [IAM console](#).

- Use an existing role
- Create a new role from AWS policy templates

ⓘ Role creation might take a few minutes. Please do not delete the role or edit the trust or permissions in this role.

Role name

Enter a name for your new role.

SQS

Use only letters, numbers, hyphens, or underscores with no spaces.

Policy templates - optional Info

Choose one or more policy templates.

↕ ↻

Amazon SQS poller permissions ✕
 SQS

Configuration | Aliases | Versions

Triggers (1) Info ↻ Fix errors Edit Delete Add trigger

< 1 >

<input type="checkbox"/>	Trigger
<input type="checkbox"/>	<div style="display: flex; align-items: center;"> <div> <p>SQS: PAVANI-SQS</p> <p>arn:aws:sqs:us-east-1:871984970178:PAVANI-SQS</p> <p>state: Creating</p> <p>▶ Details</p> </div> </div>

Send and receive messages

Send messages to and receive messages from a queue.

Send message [info](#)

Clear content

Send message

✔ Your message has been sent and is ready to be received.

View details

✕

Message body

Enter the message to send to the queue.

EVENT 1

CloudWatch > Log groups > /aws/lambda/LAMBDA-PAVANI-ANANTAPALLI > 2023/01/30/[\$LATEST]47bb0d3c094d49ff9f69824e823e302e

Log events

You can use the filter bar below to search for and match terms, phrases, or values in your log events. [Learn more about filter patterns](#)



Actions ▼

Create metric filter

Filter events

Clear

1m

30m

1h

12h

Custom

Display ▼

▶	Timestamp	Message
		No older events at this moment. Retry
▶	2023-01-30T16:37:11.552+05:30	INIT_START Runtime Version: python:3.9.v16 Runtime Version ARN: arn:aws:lambda:us-east-1::runtime:07a48df201798d6:
▶	2023-01-30T16:37:11.645+05:30	START RequestId: 9dd203f0-fedd-52fa-98e0-5fa159cf14e9 Version: \$LATEST
▶	2023-01-30T16:37:11.646+05:30	END RequestId: 9dd203f0-fedd-52fa-98e0-5fa159cf14e9
▶	2023-01-30T16:37:11.646+05:30	REPORT RequestId: 9dd203f0-fedd-52fa-98e0-5fa159cf14e9 Duration: 1.39 ms Billed Duration: 2 ms Memory Size: 128 MB
		No newer events at this moment. <i>Auto retry paused.</i> Resume

Dummy-1,pavani had recent pushes 3 minutes ago [Compare & pull request](#)

Release-1,pavani had recent pushes 2 minutes ago [Compare & pull request](#)

About
This is a sample repository for all
0 stars
4 watching

base: Dummy-1,pavani ← compare: Release-1,pavani ✖ Can't automatically merge. Don't worry, you can still create the pull request.

Discuss and review the changes in this comparison with others. [Learn about pull requests](#) [Create pull request](#)

1 commit 1 file changed 1 contributor

Commits on Oct 30, 2022

changing the file in release branch
test committed 11 minutes ago [e560ee6](#)

Showing 1 changed file with 2 additions and 1 deletion.

Split Unified

```

3 src/File-Pavani
... @@ -1,2 @@
1 - This is first commit from Pavani.
  -
1 + This is first commit from Pavani
2 + creating a file in release branch
  -

```

Open

changing the file in release branch #31

Pavani2345 wants to merge 1 commit into Dummy-1,pavani from Release-1,pavani

changing dummy to release

changing the file in release branch

e560ee6

Add more commits by pushing to the Release-1,pavani branch on columbuskvmk/git-practise-for-all.



This branch has conflicts that must be resolved

Use the [web editor](#) or the [command line](#) to resolve conflicts.

Conflicting files

src/File-Pavani

Resolve conflicts

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).



Pavani2345 commented 27 minutes ago

Collaborator



changing dummy to release



test and others added 2 commits 1 hour ago

changing the file in release branch

e560ee6

Merge branch 'Dummy-1,pavani' into Release-1,pavani

Verified

13351a8

Add more commits by pushing to the Release-1,pavani branch on columbuskvmk/git-practise-for-all.



This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).