

Assignment - 1

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Question 1 of 3

Given an integer, perform the following condition actions:

```
if is odd, print Waried
if is even and in the inclusive range of to, print Not Waried
if is even and in the inclusive range of to, print Waried
if is even and greaterthan , print Not Waried
```

```
In [1]: num = int(input('Enter a Number: '))
if num >= 2 and num <= 5 :
    print('Not Waried')
elif num % 2 != 0 :
    print('Waried')
elif num >= 6 and num <= 20 :
    print('Waried')
elif num > 20 :
    print('Not Waried')
```

```
Enter a Number: 3
Not Waried
```

Question 2 of 3

Write a python program to construct given pattern, using nested 'for' loop

```
In [6]: n = int(input('Enter a Number: '))

for i in range(1, n) :
    for j in range(1, i+1) :
        print('*', end = ' ')
    print()
for i in range(n, 0, -1) :
    for k in range(1, i-1) :
        print('*', end = ' ')
    print()
```

Enter a Number: 9

```
*
* *
* * *
* * * *
* * * * *
* * * * * *
* * * * * * *
* * * * * * *
* * * * * * *
* * * * *
* * * *
* * *
* * *
* *
*
```

Question 3 of 3

Write a program that iterates integers from 1 to 50 For multiples of 3 print 'Fizz', multiples of 5 print 'Buzz' - multiples of 3 and 5 print 'FizzBuzz'

```
In [8]: for i in range(1, 51) :
        if i % 3 == 0 and i % 5 == 0 :
            print('FizzBuzz')
        elif i % 3 == 0 :
            print('Fizz')
        elif i % 5 == 0 :
            print('Buzz')
        else :
            print(i)
```

```
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
11
Fizz
13
14
FizzBuzz
16
17
Fizz
19
Buzz
Fizz
22
23
Fizz
Buzz
26
Fizz
28
29
FizzBuzz
31
32
Fizz
34
Buzz
Fizz
37
38
Fizz
Buzz
41
Fizz
43
44
FizzBuzz
46
47
Fizz
49
Buzz
```

Thankyou

In []: