

Assignment-1

```
1. n = int(input("Enter an integer: "))
    if n % 2 != 0:
        print("Weird")
    elif n % 2 == 0 and 2 <= n <= 5:
        print("Not Weird")
    elif n % 2 == 0 and 6 <= n <= 20:
        print("Weird")
    elif n % 2 == 0 and n > 20:
        print("Not Weird")
```

Output-

```
Enter an integer: 5
Weird
```

```
Enter an integer: 24
Not Weird
```

```
2. rows = n = int(input("Enter number of rows: "))
for i in range(1, rows + 1):
    for j in range(1, i + 1):
        print("*", end=" ")
    print()
for i in range(rows - 1, 0, -1):
    for j in range(1, i + 1):
        print("*", end=" ")
    print()
```

Output-

```
Enter number of rows: 5
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```

```
Enter number of rows: 7
*
* *
* * *
* * * *
* * * * *
* * * * * *
* * * * * * *
* * * * *
* * * *
* * *
* *
*
```

```
3. for num in range(1, 51):
    if num % 3 == 0 and num % 5 == 0:
        print("FizzBuzz")
    elif num % 3 == 0:
        print("Fizz")
    elif num % 5 == 0:
        print("Buzz")
    else:
        print(num)
```

Output-

```
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
11
Fizz
13
14
FizzBuzz
16
17
Fizz
19
Buzz
Fizz
22
23
Fizz
```

```
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
```