Assignment 1:-

Question 1:

Given an integer, , perform the following conditional actions:

If is odd, print Weird
If is even and in the inclusive range of to ,
print Not Weird
If is even and in the inclusive range of to ,
print Weird
If is even and greater than , print Not Weird.

Sample Input 0: 3
Sample Output 0 : Weird

Sample Input 1: 24
Sample Output 1: Not Weird

program:

```python
N=int(input("enter a number"))
if N % 2 != 0:

    print("wierd")
else:
    if N >= 2 and N <= 5:
        print("Not Weird")
```

```python
    elif N >= 6 and N <= 20:
        print("Weird")
    elif N > 20:
        print("Not Weird")
```
OUTPUT:
Enter a number :3
wierd

Question 2:

Write a Python program to construct the following
pattern, using a nested for loop.

```
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```
Program:

```python
n=int(input("enter a number"))
for i in range(n):
 print('* ' *(i+1))
for i in range (n-1):
 print('* ' *(n-i-1))
```

```
output:
enter a number:5
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```

Question 3:
Write a Python program that iterates the integers
from 1 to 50.
 For multiples of three print "Fizz" instead of the
number and
 for multiples of five print "Buzz". For numbers
that are multiples
of three and five, print "FizzBuzz".

Program:

```python
n=int(input("Enter the last range of numbers for
FizzBuzz Problem :"))
for i in range(1,n+1):
    if i % 3 == 0 and i % 5 == 0:
        print("FizzBuzz")
    elif i % 3 == 0:
```

```python
        print("Fizz")
    elif i % 5 == 0:
        print("Buzz")
    else:
        print(i)
```

Output:
Enter the last range of numbers for FizzBuzz
Problem :50
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