

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.

```
def check_number(n):
    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")

number = int(input("Enter an integer: "))
check_number(number)
```

Sample Input 0: 3

Sample Output 0 : Weird

Sample Input 1: 24

Sample Output 1: Not Weird

Question 2:

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

Program:

```
num_rows=int(input("enter the number of rows: "))

for i in range(1, num_rows + 1):
    for j in range(i):
        print("*", end=" ")
    print()

for i in range(num_rows - 1, 0, -1):
    for j in range(i):
        print("*", end=" ")
    print()
```

```
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```

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:-

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