

Python program for 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_weirdness(n):
    if n % 2 == 1:
        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_weirdness(number)
```

Output:

Enter an integer: 2

Not Weird

Enter an integer: 3

Weird

Enter an integer: 24

Not Weird

>

Python program for triangle

```
def print_horizontal_triangle(height):
    for i in range(1, height + 1):
        print('* ' * i)
    for i in range(1, height + 1):
        print('* ' * (height-1))
        height = height -1

# Replace 'input()' with your desired height or any variable holding the height value
triangle_height = int(input("Enter the height of the triangle: "))
print_horizontal_triangle(triangle_height)
```

Output:

Enter the height of the triangle: 5

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

Write a Python program that iterates the integers from 1 to 50. For multiples of 3 print Fizz instead of the number and for multiples of 5 print Buzz. for numbers that are multiples of 3 and 5 print FizzBuzz

```
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

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

>