# 1. Write a Python Program to Check if a Number is Positive, Negative or Zero?

### 2. Write a Python Program to Check if a Number is Odd or Even?

### 3. Write a Python Program to Check Leap Year?

#### 4. Write a Python Program to Check Prime Number?

```
In [21]:    z = int(input("Enter a number: "))
    for i in range (2, z):
        if z%i == 0:
            print("No, this is not a prime number")
            break
    else:
        print("Yes, It is a prime number")

Enter a number: 3
Yes, It is a prime number
```

## 5. Write a Python Program to Print all Prime Numbers in an Interval of 1-10000?

	<pre>else:     print(i)</pre>			
In [ ]:				