

## Practical No. 1

**Aim:-** Write a program in python to demonstrate the use of if else statement

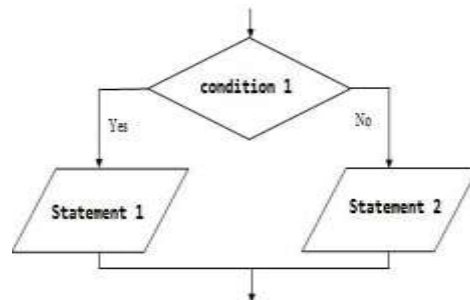
**Theory:-**

In the alternative the condition must be true or false. In this **else** statement can be combined with **if** statement. The **else** statement contains the block of code that executes when the condition is false. If the condition is true statements inside the if get executed otherwise else part gets executed. The alternatives are called branches, because they are branches in the flow of execution.

**syntax:**

```
if(condition 1):  
    Statement 1  
else:  
    Statement 2
```

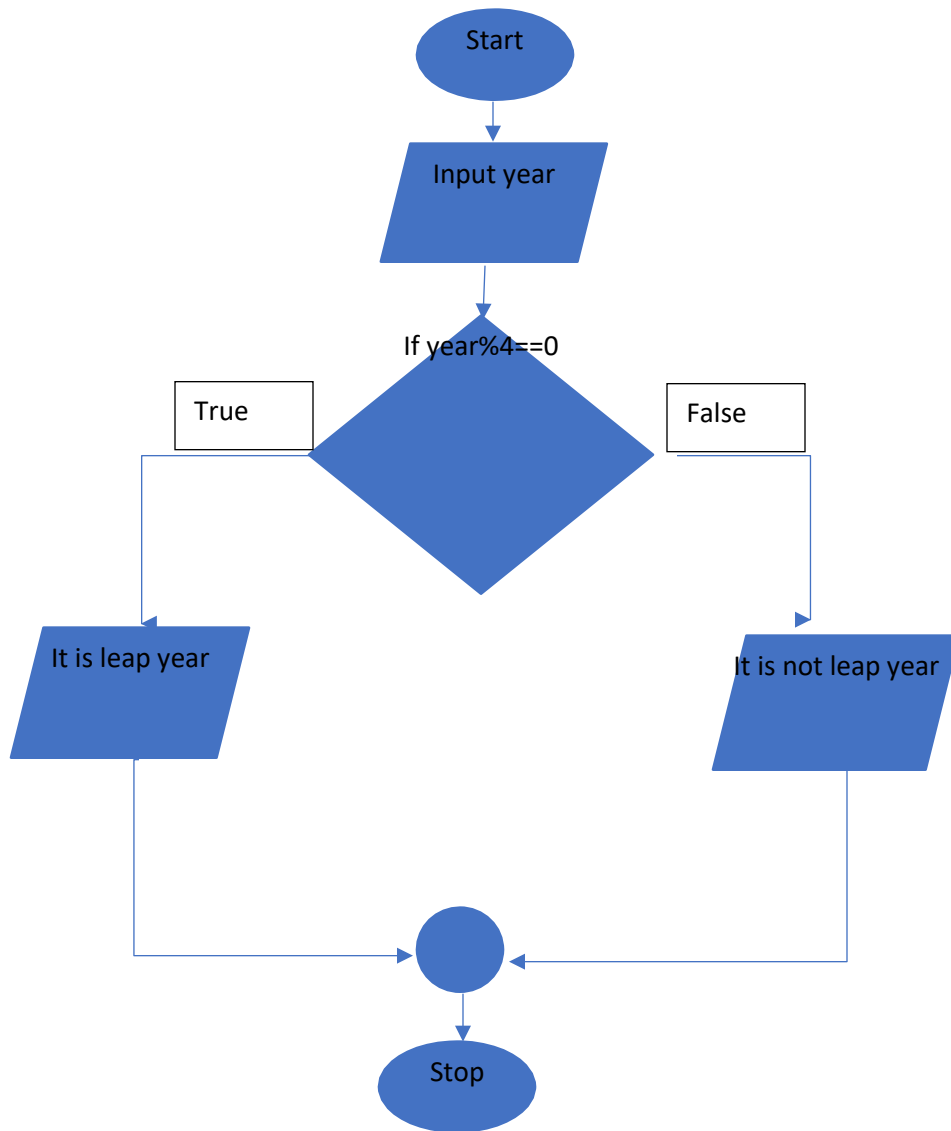
**Flowchart:**



Algorithm to check whether the given year is Leap year or not.

1. Start
2. Input the Year
3. Check if year is divisible by 4
4. If divisible, print "It is leap year"
5. else print "It is not leap year"
6. Stop

Flowchart:



**Program:-**

```
y=int(input("enter a year"))
if(y%4==0):
    print("It is a leap year")
else:
    print("It is not a not leap year")
```

Output :

```
enter a year 2016
It is a leap year

...Program finished with exit code 0
Press ENTER to exit console. □
```

Result : The practical has been successfully studied