

If..else statement

This syntax is having two blocks

1. if block
2. else block

Syntax:

If <condition>:

Statement-1

Statement-2

else:

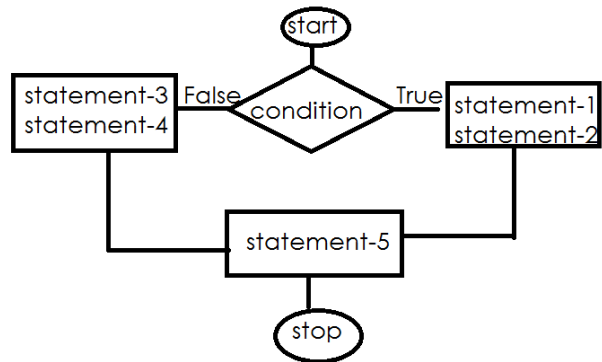
statement-3

statement-4

statement-5

if condition is True, it execute
statement-1,statement-2 and
statement-5

if condition is False, it execute
statement-3,statement-4 and
statement-5



Example:

write a program to find a person is elg to vote or not

```
name=input("enter name")
age=int(input("enter age"))
if age>=18:
    print(name,"is elg to vote")
else:
    print(name,"is not elg to vote")
```

Output:

```
enter namesuresh
enter age19
suresh is elg to vote
```

===== RESTART: F:/python6pmaug/test37.py =====

```
enter namekishore
enter age12
kishore is not elg to vote
```

Example:

write a program to find input number is even or odd

```
num=int(input("enter any number"))
if num%2==0:
    print(num,"is even")
else:
    print(num,"is odd")
```

Output:

```
enter any number8
8 is even
```

```
===== RESTART: F:/python6pmaug/test38.py =====
enter any number9
9 is odd
```

Example:

write a program to find input number is divisible by 7

```
num=int(input("enter any number"))
if num%7==0:
    print(num,"is divisible with 7")
else:
    print(num,"is not divisible with 7")
```

Output:

```
enter any number21
21 is divisible with 7
```

```
===== RESTART: F:/python6pmaug/test39.py =====
enter any number22
22 is not divisible with 7
```

Example:

write a program to display "Hello" if number entered by

```
# user is multiple of 5 otherwise "Bye"
```

```
num=int(input("enter any number"))
if num%5==0:
    print("Hello")
else:
    print("Bye")
```

Output:

```
enter any number25
Hello
```

```
===== RESTART: F:/python6pmaug/test40.py =====
enter any number9
Bye
```

Example:

```
# write a program to check to last digit of number
# is divisible by 3 or not
```

```
num=int(input("enter any number"))
d=num%10
if d%3==0:
    print("divisible by 3")
else:
    print("not divisible by 3")
```

Output:

```
enter any number123
divisible by 3
```

```
===== RESTART: F:/python6pmaug/test41.py =====
enter any number127
not divisible by 3
```

How to input more than one value using input() function?

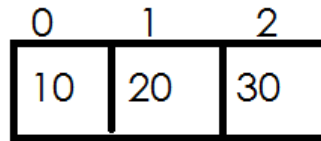
```
str1="10 20 30"
```

```
l= str1.split()
```

```
a=int(l[0])
```

```
b=int(l[1])
```

```
c=int(l[2])
```



```
a,b,c=map(int,l)
```

```
str1=input() --> 10 20 30
```

```
l=str1.split()
```

```
a,b,c=map(int,l)
```

<https://www.codechef.com/submit/HS08TEST>

```
amt,bal=map(float,input().split())
```

```
if amt%5==0 and (amt+0.50)<=bal:
```

```
    bal=bal-(amt+0.50)
```

```
print(round(bal,2))
```

if..elif..else (if..else ladder)

This syntax is to check more than one condition or multiple conditions.

Syntax:

```
if condition1:
```

```
    Statement-1
```

```
elif condition2:
```

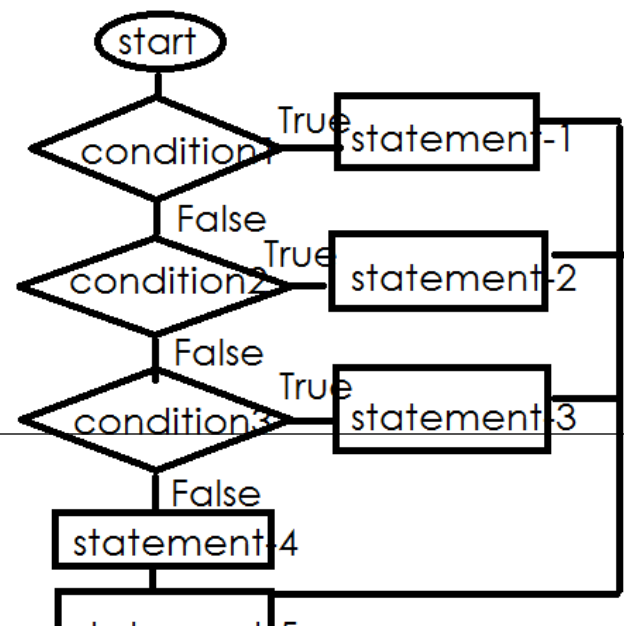
```
    Statement-2
```

```
elif condition3:
```

```
    Statement-3
```

```
else:
```

```
    Statement-4
```



<p>Statement-5</p> <p>If condition1 is True, it execute statement-1 and statement-5</p> <p>If condition1 is False, condition2 is True, it execute statement-2 and statement-5</p> <p>If condition1,condition2 is False and condition3 is True, it execute statement-3 and statement-5</p> <p>If condition1,condition2,condition3 are False, it execute statement-4 and statement-5</p>	
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