

Day -5

05/11/2025

① Conditional statements :-

⇒ these are in Python Control flow statements that allow a program to make decisions.

⇒ they execute specific block of code only when certain conditions are true, using key words like:-

- If
- Elif (if else)
- if else ladder / sometimes of else
- nested if else.

② Syntax of "if"

if (Condition):

Program :-

# Eligibility criteria to vote in India (if)

age = int(input())

country = input()

Pc = country.lower()

print(Pc)

if (age >= 18 and country == "india")

· print("you are eligible for voting")

O/P :-

age = 34

country = india

you are eligible  
for voting

\* If Else :-

Syntax :-

if (Condition):

    Statement of if

else:

    Statement of Else.

\* Note:- We cannot write Condition in Else.

\* Program :-

```
age = int(input("Enter your age"))
```

```
Country = input("Enter your Country")
```

```
Pc = Country.lower()
```

if (age >= 18 and Country == "India"):

    Print ("you are eligible for Voting")

else :

    Print ("you are not eligible for Voting")

O/P:-

17

India

You are not eligible for Voting.

④ write a Program to check the given number is Even or odd?

a = int (input ("Enter the Number"))

Op:-

if ( $a \% 2 == 0$ ):

    Print ("{} is Even number")

2 is Even number

else :

    Print ("{} is odd number")

⑤ write a Program to calculate discount amount upto 5000₹ shopping 10% discount More than 5000₹ shopping 20% discount display there Payment amount?

Purchase-amount = float (input ()) # giving ip

if (Purchase-amount  $\geq 5000$ ): # Giving Condition Purchase amount less than 5000  
da = Purchase-amount \* 0.1 # giving discount amount Declaration

Pay-amount = Purchase-amount - da # Then to get Pay that Declaring PA-da

Print ("the Pay amount is:", Pay-amount)

Else: # if Condition not get satisfy it will Return to Else Cond. # finally Print frag

da = Purchase-amount \* 0.2

Payamount = Purchase-amount - da

Print ("the Pay amount is:", Pay-amount)

(and)

Print ("your discount amount is : {}\\n the your Pay amount is : {}")

\* Syntax for if else ladder

If  
Syntax :-

if (Condition):

Statement of Condition 1

else:

if (Condition 2):

Statements of Condition 2

else:

if (Condition 3):

Statements of Condition 3

- - - - -

else:

default statement:

\* Syntax for if else if ladder.

if (Condition 1):

Statements of Condition 1

elif (Condition 2):

Statement of Condition 2

.....

else:

Final Statement of else.

④ write a Program to check given number is +ve, -ve & zero.

```
num = int (input ()) # to get input from user
if (num > 0): # Condition that I/p Number > 0
    print ("+ve") # If Condition satisfy Print "+ve"
elif (num < 0): # Else Condition I/p Number < 0
    print ("-ve") # Else Condition gets satisfy Print "-ve"
else:
    print ("zero") # else Condition if Both Not get satisfy
    print else "zero".
```