

Day 5 → 26/11/2025

Conditional statements → When logics are based on the conditions we use conditional statements.

Types of conditional statements.

- 1) If condition → Runs a block of code only if the condition is true.

Ex:-

age = 20

if age >= 18:

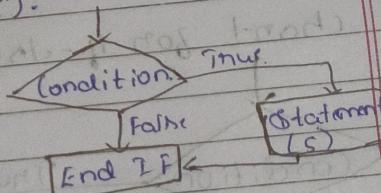
print ("You are an adult")

2) age = int(input("Enter your age:"))
country = input("Enter your country:")
if (age >= 18 and country == "india"):
 print ("Eligible for voting")

Enter your age: 23

Enter your country: india.

Eligible for voting



Flow chart for
"if" statement.

- 2) If else condition → if the condition is true - run if-block
otherwise → run else-block

Ex:- Syntax of if else.

if (condition)

Statements of if.

else:

Statements of else

else:
 Statements of else

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```

age = int(input("Enter your age:"))
country = input("Enter your country:")
country = country.lower()
if age >= 18 and country == "india":
    print("Eligible for voting")
else:
    print("not eligible for voting")

```

E Output :-

Enter your age: 23
 Enter your country: China

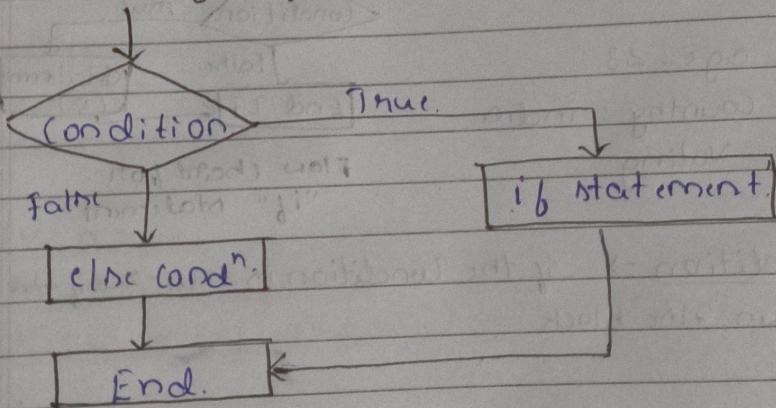
Ex: 2).

```

if num % 2 == 0:
    Print ("Even")
else:
    print ("Odd")

```

Flow chart for if-else.



3) if statement.

used when we have multiple conditions to check

```
ex:- if marks >= 90:  
    print ("A grade")  
elif marks >= 70:  
    print ("B grade")  
elif marks >= 50:  
    print ("C grade")  
else:  
    print ("Fail")
```

Syntax.

```
if (condition1):  
    Statement 1  
elif (Condition2):  
    Statement 2  
elif (Condition3):  
    Statement 3  
elif (Condition n):  
    Statement n  
else:  
    default statement.
```

Flow chart.

