

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:")

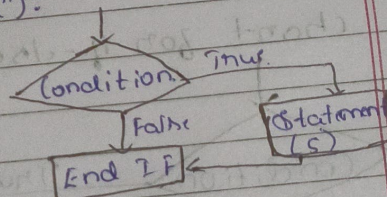
if (age >= 18 and country == "india"):

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:



```

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")

```

Ex: Output ->

```

enter your age: 23
enter your country: china

```

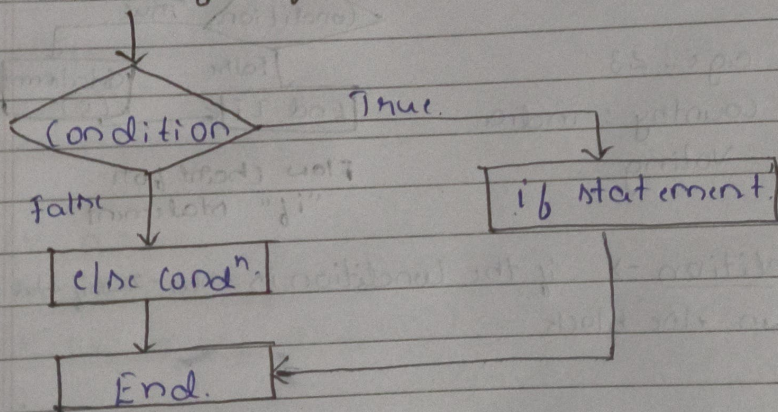
Ex: 2>

```

if num % 2 == 0:
    print("even")
else:
    print("odd")

```

Flow chart for if-else.





### 37 elif 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 (condition 1):  
    statement 1  
elif (condition 2):  
    statement 2  
elif (condition 3):  
    statement 3  
elif (condition n):  
    statement n  
else:  
    default statement.
```

### Flow chart.

