#### **Conditional Statement**

A conditional statement is used to make decisions in a program.

It checks whether a condition (expression) is True or False, and then executes a block of code accordingly.

## **Types of Conditional Statements in Python**

#### 1. if statement

The if statement runs a block of code only when the condition is true.

### **Example:**

```
age = 20
if age >= 18:
```

print("You are eligible to vote.")

#### 2. if-else statement

Here, if the condition is **true**, one block runs, otherwise the **else block** runs.

## **Example:**

```
marks = 35
```

```
if marks >= 40:
```

```
print("You passed the exam.")
```

else:

print("You failed the exam.")

# 3. if-elif-else statement

When there are **multiple conditions**, we use elif (else if).

### **Example:**

```
number = 0
```

```
if number > 0:
    print("Positive number")
elif number < 0:
    print("Negative number")
else:
    print("Zero")</pre>
```

## 4 Nested if

When we put an if statement **inside another if**, it's called a **nested if**. It is useful when one condition depends on another.

# **Example:**

```
num = 15

if num > 0:
    print("Number is positive")
    if num % 2 == 0:
        print("It is even")
    else:
        print("It is odd")
```

#### In short:

- if → single condition
- if-else → two-way decision
- if-elif-else → multiple choices
- nested if → decision inside another decision