**Conditional statements**

**Conditional statements:**

It performs different tasks based upon the different conditions.

**Types:**

1.if

2.if-else

3.if-elif else

4.Nested-if

**1.if Statement:**

Used to execute a block of code only when a condition is **True**.

**Syntax:**

if condition:

#Block of code

**Eg:** if x > 0:

    print("Positive")

**2. if-else:**

Provides an alternative block when the if condition is **False**.

**Syntax:**

if condition

#Block of code

else:

#block of code

**Eg:** if number > 0:

    print("Positive")

else:

    print("Zero or Negative")

**3. If-elif-else:**

Supports multiple mutually exclusive conditions.

**Syntax:**

if condition:

#Block of code

elif condition:

#Block of code

else:

#Block of code

**Eg:** if score >= 90:

    grade = 'A'

elif score >= 80:

    grade = 'B'

else:

    grade = 'C or below'

**4. Nested if:**

Use when one condition depends on another.

**Syntax:**

if condition:

if condition:

#Block of code

else:

#Block of code

else:

#Block of code

Eg: if age >= 18:

    if has\_ticket:

        print ("Enter the concert")

    else:

        print ("You need a ticket")

else:

    print ("Too young")