Python Training – Day 3

1. If-Else Statements

- if, else, and elif are used to make decisions in Python.

- The program checks a condition — if it's true, one block runs; if false, another block runs.

- Used to control the flow of logic in a program.

2. How If-Else Works in Memory

- Python checks each condition from top to bottom.

- As soon as it finds a true condition, it runs that block and skips the rest.

- Variables and conditions are stored in memory temporarily during execution.

3. Assignments Done

- **Assignment 1: Age Classification Program**

  o Ask the user to enter their age.

  o Use if-elif-else statements to check and classify the user as:

    ▪ Child (age < 13)

    ▪ Teenager (13–19)

    ▪ Adult (20–59)

    ▪ Senior (60+)

  o Print the category based on the input.

- **Assignment 2: Even or Odd Number Checker**

  o Ask the user to enter a number.

  o Use the modulus operator % to check if the number is even or odd.

  o Print whether the number is even or odd.