Input from User & Type Casting

Input from User:

- **input()** function is used to take data from user.
- input is always taken as a **string** (text), even if user enters a number.

Importance: Without input, program is fixed. With input, program becomes **interactive & dynamic**.

Problem with Input:

If you try to use input directly as number → **error**.

Example: age = input("Enter age: ") → gives string, not integer.

➢ We must **convert** input to correct type before using in math.

Type Casting:

Converting one data type into another.

Functions:

int() → convert to integer

float() → convert to decimal

str() → convert to string

Importance: Type casting allows correct calculations and avoids errors.