**Que.1- using the input() function to read user input from the keyboard.**

* 1. **Ans.** the input() function is used to read input by user through the keyboard.
* **usage:**

usage of input() , it’s waits for the user to type

something and press enter. and after then return the entered value as a string and numeric data.

* Ex.,string

Name=input(“Enter your name:”)

Print (f”hello,{Name}!”)

* Ex.,number

Number=int(input(“enter number:”))

print(f”user entered number:{Number}”)

**Que.2- converting user input into different data types (e.g.,int,float etc.)**

**Ans.**

* **Converting to Integer:**

**Convert string to integer using int() function. And when string does not present valid integer , so displayed error! message.**

Ex., User\_Input=input(“enter input as a numeric data:”)

Int\_Data=int(User\_Input)

Print(“entered data=”,Int\_Data)

* **Converting to Float:**

**Convert string to float using float() function. And when string does not present valid float number, so displayed error! Message.**

Ex., User\_Input=input(“enter input as a numeric data:”)

Float\_Data=float(User\_Input)

Print(“entered data=”,Float\_Data)

* **Converting to Boolean:**

**Convert string to Boolean using bool() function.**

**and generally non-empty string returns a true value and empty string returns a false value.**

Ex., User\_Input=input(“enter ‘true’ or ‘false’:”)

Boolean\_value=bool(User\_Input)

Print(“entered data=”,Boolean\_value)