

Aim: Input statements; variables; operators; algorithm.

Create a Python project in which you have the following file: **lab2.py**

1. Define a variable **name** and ask the user to enter their name. Greet the user using their name, and ask the user for their height (in meters) and weight (in kilograms). Finally, calculate and print the user's BMI (Body-Mass-Index) using the following formula:

$$\text{BMI} = \text{weight} / (\text{height} \times \text{height})$$

SAMPLE OUTPUT (bold parts are entered by user):

```
What is your name? Jane
Hello Jane, what is your height in meters? 1.57
What is your weight in kilograms? 135
Your BMI is 54.76895614426549
```

2. Define three variables number1, number2, and number3 and ask the user to enter three integer values for these variables. Then, calculate and print their average.

SAMPLE OUTPUT (bold parts are entered by user):

```
Enter 1st integer: 7
Enter 2nd integer: 2
Enter 3rd integer: 11
Average: 6.666666666666667
```

3. Define a variable **milliseconds** and ask the user to enter a milliseconds value. Then, convert and print it in an “hours, minutes, seconds, milliseconds” format:

SAMPLE OUTPUT (bold parts are entered by user):

```
Enter milliseconds: 4000018
4000018ms ---> 1h 6m 40s 18ms
```

TODO@HOME

Write a Python script that asks the user for a temperature degree in Celsius, converts this value to the corresponding degree in Fahrenheit, and prints out the converted result.

Hint: Fahrenheit = 1.8 * Celsius + 32