S.No: 4	Exp. Name: *Write a Python program to calculate the total weight of the motorbike*	Date:2024-10-23

Aim:

You are designing a program to calculate the weight of a motorbike. The weight of the motorbike is determined by several components: the frame, engine, wheels, and fuel tank. Write a Python program to calculate the total weight of the motorbike based on the user input for the weights of these components.

Sample Test Case:
Input:
Enter the weight of frame (in kg): 35.2
Enter the weight of engine (in kg): 82.6
Enter the weight of each wheel (in kg): 4.5
Enter the weight of fuel tank (in kg): 10.3

Output:
The weight of the motorbike is: 137.1 kg

Note: Assume that the user will always enter valid numeric values for the weights.

Source Code:

weightOfMotorBike.py

```
# Type Content here...
frame=float(input('Enter the weight of frame (in kg): '))
Engine=float(input('Enter the weight of engine (in kg): '))
Wheel=float(input('Enter the weight of each wheel (in kg): '))
fuel=float(input('Enter the weight of fuel tank (in kg): '))
TOT=frame+Engine+Wheel*2+fuel
print('The weight of the motorbike is:',TOT,'kg')
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter the weight of frame (in kg): 35.2
Enter the weight of engine (in kg): 82.6
Enter the weight of each wheel (in kg): 4.5
Enter the weight of fuel tank (in kg): 10.3
The weight of the motorbike is: 137.1 kg

Test Case - 2
User Output
Enter the weight of frame (in kg): 40
Enter the weight of engine (in kg): 90
Enter the weight of each wheel (in kg): 7.8
Enter the weight of fuel tank (in kg): 12
The weight of the motorbike is: 157.6 kg