

## Practice Questions

1. Attempt the following questions of chapter 4 of your textbook:

- a. Q. 42
- b. Q.44

2. Define a function that returns the absolute value of the integer passed to it without using any condition. Call this function in main where you'll ask the user to provide the value of the integer to be passed to the function.

3. Define a function that returns the absolute value of the float value passed to it without using any condition. Call this function in main where you'll ask the user to provide the float value to be passed to the function.

3. Define a function that takes three parameters: a float value as mass in pounds, an integer value as height in feet and another integer value as height in inches. The function must find the Body Mass Index based on weight and height and return that value. The BMI calculation divides an adult's mass in kilograms by their height in meters squared.

Suppose the mass of the person is 121.254 pounds and the height is 5 feet 5 inches. You need to find the mass in kilograms and convert the height into meters and then find the BMI by dividing the mass by the square of the value of the height. The resulting value for the given parameters will be 20.18.

Your program should also be able to print the values of BMI alongwith the mass in kilograms and height in meters.

There must be at least four functions:

- a. A function to convert mass in pounds to kilograms
- b. A function to convert height in inches to meters
- c. A function to calculate BMI
- d. A function to display mass in kilograms, height in meters and the corresponding BMI