# Exercise - Writing Algorithms

**The learner has to write algorithms on the problem statements given here.**

### Problem Statements

The 10 problem statements for the algorithm exercises are listed below.

#### Exercise 1:-

Write an algorithm for accepting two numbers, divide the first number by second and display their quotient.

#### Exercise 2:-

Write an algorithm for accepting distance in kilometers, convert it into meters and display the result.

#### Exercise 3:-

Write an algorithm for accepting five numbers and display the sum and average of the numbers.

#### Exercise 4:-

Write an algorithm for accepting a number and display the whether it is odd or even.

#### Exercise 5:-

Write an algorithm for accepting two numbers and display the highest number among two.

#### Exercise 6:-

Write an algorithm for calculating the area of rectangle and square separately.

#### Exercise 7:-

Write an algorithm for accepting the distance and speed values for a particular journey, calculate the time taken for the journey and display the same.

#### Exercise 8:-

Write an algorithm for accepting a character and then display whether it is a vowel or a constant.

#### Exercise 9:-

Write an algorithm for accepting three numbers and display the highest number among the three numbers.

#### Exercise 10:-

Write an algorithm for accepting the age of user and if the age is valid, check whether the user is a kid, a teenager, an adult or a senior citizen.