

## **FUNCTIONS QUESTIONS**

**Question 1 :** Write a Java method to compute the average of three numbers.

**Question 2 :** Write a method named isEven that accepts an int argument. The method should return true if the argument is even, or false otherwise. Also write a program to test your method.

**Question 3 :** Write a Java program to check if a number is a palindrome in Java?

Hint - (121 is a palindrome, 321 is not) A number is called a palindrome if the number is equal to the reverse of a number e.g., 121 is a palindrome because the reverse of 121 is 121 itself. On the other hand, 321 is not a palindrome because the reverse of 321 is 123, which is not equal to 321.

**Question 4 :** READ & CODE EXERCISE

Search about(Google) & use the following methods of the Math class in Java:

- a. Math.min( )
- b. Math.max( )
- c. Math.sqrt( )
- d. Math.pow( )
- e. Math.avg( )
- f. Math.abs( )

**Question 5 :** Write a Java method to compute the sum of the digits in an integer.

(Hint : Approach this question in the following way :

- a. Take a variable sum = 0
- b. Find the last digit of the number
- c. Add it to the sum
- d. Repeat a & b until the number becomes 0 )

**Question 6 :** Write a Java method to convert binary number to decimal number.

**Question 7 :** Write a Java method to convert decimal number to binary number.