

## 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? ( 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()

Free reading resource (<https://www.javatpoint.com/java-math>)

Please feel free to look for more resources/websites on your own.

### **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 )