**BASICS OF JAVA PROGRAMMING**

**LAB PRACTICE PROGRAMS**

1. Write a Java program to print “Hello World”.
2. Write a Java program to add two numbers and print the sum.
3. Write a [Java Program to find Factorial of a number](https://www.geeksforgeeks.org/java-program-for-factorial-of-a-number).
4. Write a [Java Program to Calculate Simple Interest](https://www.geeksforgeeks.org/java-program-for-simple-interest).
5. Write a[Java Program to Calculate Compound Interest](https://www.geeksforgeeks.org/java-program-for-compound-interest).
6. Write a[Java Program to Find the Perimeter of a Rectangle](https://www.geeksforgeeks.org/java-program-to-find-the-perimeter-of-a-rectangle).
7. Write a Java program that prints all real solutions to the quadratic equation ax 2 +bx+c = 0. Read in a, b, c and use the quadratic formula. If the discriminate b2 -4ac is negative, display a message stating that there are no real solutions?
8. Write a Java program that prompts the user for an integer and then prints out all the prime numbers up to that Integer?
9. Write a Java program that checks whether a given string is a palindrome or not. Ex: MADAM is a palindrome?
10. Write a Java program for sorting a given list of names in ascending order?
11. Write a Java program to multiply two given matrices?
12. Write a java program to display the employee details using Scanner class.