Meerut Institute of Technology, Professional Courses, Meerut (1110)

Department of Computer Application (BCA)

Subject: Java Programming and Dynamic Webpage Design Subject Code:BCA-508P

Semester: BCA V Sem   **Session: 2024-25**

Lab Program List

1. Write a java program to swap two number.

2. Write a java program that accepts two doubles as its command line arguments, multiply these number and display the result.

3. Write a java program to find the largest among three number.

4. Write a java program to find factorial of a number.

5. Write a java program to print Fibonacci series up to given term.

6. Write a java program to find GCD of two number.

7. Write a java program to find LCM of two number.

8. Write a java program to reverse any digit number.

9. Write a java program to check whether a number is palindrome or not.

10. Write a java program to check whether a number is prime or not.

11. Write a java program to display Armstrong number between two intervals.

12. Write a java program to display factors of a number.

13. Write a java program to print following pattern.

```
1
22
333
4444
55555
```
14. Write a java program to print pascal triangle.

15. Write a java program to make a simple calculator using switch case statement.

16. Write a java program to find factorial of a given number using recursion.

17. Write a java program to convert binary number into decimal number.

18. Write a java program to add two matrix using multi-dimensional arrays.

19. Write a java program to multiply two matrix using multi-dimensional arrays.

20. Write a java program to implement bubble sort algorithm.

21. Write a java program to binary search algorithm.

22. Write a java program that display area of different figures (Square, Rectangle, Circle) Using the method overlading.

23. Write a java program to reverse a given string.

24. Write a java program to for sorting a given list of names in ascending order.

25. Write a java program to illustrate the multilevel inheritance.

26. Write a java program to illustrate all use of super keyword.

27. Write a java program to demonstrate the runtime polymorphism.

28. Write a java program to generate Multiple threads using runnable interface.

29. Write a java program to use try, catch and finally block.

30. Write a java program to create custom exception.

31. Write a java program to create a package BCA which has one class Student. Accept student detail through parameterized constructor. Write display () method to display details. Create a main class which will use the package ad calculate total marks and percentage.

32. Write a java program to read the data from a file and copy it on another file.

33. Write an applet to display a simple message on a colored background.

34. Write a java program to design calculator and perform arithmetic operation by using AWT package.

35. Write a java program to Establish connection between java program to a database.

36. Develop a java application to perform insert, update, retrieve and delete the record form the database in JDBC.

37. Write a HTML code to demonstrate current date and time.

38. Write a servlet application to print current date and time.

39. Create a JSP page to accept a number from the user and display it in words.

   Example 123 – One Two Three

40. Write a JSP application to count the total number of visits on the website.