

MC211 JAVA PROGRAMMING LAB

Objectives of the Course:

Through this course, students will be able to get:

- Familiarized with basics of java
 - Familiarized with the Java Applets
 - Understand the various java application like Servlets for implementing projects
1. Write a Java program that prompts the user for an integer and then prints out all prime numbers up to that. Integer.
 2. Write a Java program that checks whether a given string is a palindrome or not.
Ex: MADAM is a palindrome.
 3. Write a Java program for sorting a given list of names in ascending order.
 4. Write a Java Program that reads a line of integers, and then displays each integer, and the sum of all the integers (use StringTokenizer class)
 5. Write a Java program that reads a file and displays a file and displays the file on the screen, with a line number before each line.
 6. Write a Java program that displays the number of characters, lines and words in a text file.
 7. Write a Java program for creating multiple threads
 - a) Using Thread class.
 - b) Using Runnable interface.
 8. Write a Java program that illustrates how run time polymorphism is achieved.
 9. Write a java program that illustrates the following
 - a) Creation of simple package.
 - b) Accessing a package.
 - c) Implementing interfaces.
 10. Write a java program that illustrates the following
 - a) Handling predefined exceptions.
 - b) Handling user defined exceptions
 11. APPLETs
 - Working with Frames and various controls.
 - Working with Dialogs and Menus.
 - Working with Panel and Layout.
 - Incorporating Graphics.
 - Working with colors and fonts

12. **SWINGS**

Jpanel- JFrame – Jtoolbar—JwindowFramework
Implement the “Hello World” program using servlets.

13. Write a servlet program using cookies and SessionTracking.

Reference Books:

1. Java How to Program, 5th Edition, Dietel & Dietel, Pearson Education