

## AJP Lab Works (Part-4)

38. Write a program to illustrate :
  - a) Different ways of creating URL objects and URL parsing
  - b) Reading Directly from URL
  - c) Reading from a URLConnection .
  - d) InetAddress Class.
39. Write Java programs using TCP Sockets to demonstrate two way communication between a simple server and a client.
40. Write Java programs using *DatagramSocket* and *DatagramPacket* (UDP Sockets) to demonstrate client and server communication.
41. Write a java program to demonstrate
  - a) Sending simple mail
  - b) Sending mail with attachment
  - c) Receiving mail
42. Write a servlet program to display following
  - "Java is one of the powerful programming languages!" 10 times
  - Current date and time
  - Your Name/Roll No/Section
43. Create a web application using servlet to take principal, time and rate values from a HTML form and display the simple interest.
44. Create a web application showing CRUD operation using Servlet and JDBC. Create appropriate UI using HTML and CSS. Use Relational Database in MySQL Server.  
*[Report can be printed]*
45. Write a servlet to demonstrate how
  - a) session is created, read and destroyed.
  - b) cookie is handled
46. Create a simple web application to demonstrate login and logout features using servlet.
47. Write a JSP program to demonstrate
  - JSP Directives
  - JSP Declaration
  - JPS Expression
  - JSP Scriptlet
  - JSP Comment

48. Write a JSP program to
- a) take some values from a form and display them.
  - b) demonstrate scope of implicit objects
49. Create a web application showing CRUD operation using JSP and JDBC. Create appropriate UI using HTML and CSS. Use Relational Database in MySQL Server.
- [Report can be printed]*
50. Create a simple web application using Spring Framework. (write the steps and codes)
- [Report can be printed]*
51. Write a program using JavaFX to demonstrate
- FlowPane
  - BorderPane
  - HBox
  - VBox
  - GridPane
52. Create a JavaFX UI having following controls:
- Label
  - TextField Button
  - RadioButton
  - CheckBox,
  - Hyperlink, Menu, Tooltip,
  - FileChooser.
53. Write Java programs to demonstrate
- RMI
  - CORBA
- [Write the steps and codes]