

Subject: Advanced JAVA

1. Explain the usage of InetAddress class.
2. Explain socket creation in JAVA.
3. Build a chat application in JAVA using UDP socket programming.
4. Build a chat application in JAVA using TCP socket programming.
5. How to do error checking in JDBC?
6. Explain the use of PreparedStatement and CallableStatement with example.
7. Explain the use of ResultSet in JAVA.
8. Write a JDBC program for banking application in which consider bank table with attributes AccountNo, CustomerName, Phone and Address, and perform followings:
 - a. Insert two records using prepared statement.
 - b. Display all the records.
9. Discuss the use of execute(), executeUpdate() and executeQuery() methods.
10. Explain servlet life cycle in detail.
11. Explain various HTTP methods.
12. Differentiate between ServletConfig and ServletContext.
13. Write a servlet code which reads the student details from web page and stores it in database.
14. What is Filter? List the applications of filter
15. What is cookie and session?
16. Explain in brief: state & session management.
17. Explain life cycle of JSP.
18. Explain MVC.
19. Explain in detail: JSP directives, JSP actions, JSP implicit objects.
20. What is Request Dispatcher? What is the difference between RequestDispatcher's forward() and include() method? Explain it in detail with program.
21. Explain any four JSTL core tags.
22. Write a JSP application for login module with reset password feature using database connectivity.
23. What is the JSF facelets? Explain any two facelets tags.
24. List the JSF standard converter tags and explain any three in detail.
25. Explain JSF validation tag with example.
26. What is PrimeFaces?
27. Explain Hibernate Architecture.
28. What is ORM? Explain object/relational mappings in hibernate.
29. What is HQL? Write difference between HQL and SQL.
30. Explain architecture of Spring MVC Framework.
31. Explain the features of Spring web MVC.
32. What is dependency injection? Explain in detail.