

## J2EE

Q 01: What is J2EE? What are J2EE components and services?

Q 02: Explain the J2EE 3-tier or n-tier architecture?

Q 03: Explain MVC architecture relating to J2EE?

Q 04: How to package a module, which is, shared by both the WEB and the EJB modules?

Q 05: Why use design patterns in a J2EE application?

Q 06: What is the difference between a Web server and an application server?

Q 07: What are ear, war and jar files? What are J2EE Deployment Descriptors?

Q 08: Explain J2EE class loaders?

## Enterprise – Servlet

Q 09: What is the difference between CGI and Servlet?

Q 10: HTTP is a stateless protocol, so how do you maintain state? How do you store user data between requests?

Q 11: Explain the life cycle methods of a servlet?

Q 12: Explain the directory structure of a WEB application?

Q 13: What is the difference between doGet () and doPost () or GET and POST?

Q 14: What are the ServletContext and ServletConfig objects? What are Servlet environment objects?

Q 15: What is the difference between HttpServlet and GenericServlet?

Q 16: How do you make a Servlet thread safe? What do you need to be concerned about with storing data in Servlet instance fields?

Q 17: What is pre-initialization of a Servlet?

Q 18: What is a RequestDispatcher? What object do you use to forward a request?

Q 19: What is the difference between forwarding a request and redirecting a request?

Q 20: What are the considerations for servlet clustering?

Q 21: If an object is stored in a session and subsequently you change the state of the object, will this state change replicated to all the other distributed sessions in the cluster?

Q 22: What is a filter, and how does it work?

Q 23: Explain declarative security for WEB applications?

Q 24: Explain the Front Controller design pattern or explain J2EE design patterns?

Q 25: Briefly discuss the following patterns Composite view, View helper, Dispatcher view and Service to worker? Or explain J2EE design patterns?

Q 26: Explain Servlet URL mapping?

Q 27: What is a JSP? What is it used for? What do you understand by the term JSP translation phase or compilation phase?

Q 28: Explain the life cycle methods of a JSP?

Q 29: What are the main elements of JSP? What are scriptlets? What are expressions?

Q 30: What are the different scope values or what are the different scope values for <jsp:usebean> ?

Q 31: What are the differences between static and a dynamic include?

Q 32: What are implicit objects and list them?

Q 33: Explain hidden and output comments?

Q 34: Is JSP variable declaration thread safe?

Q 35: Explain JSP URL mapping? What is URL hiding or protecting the JSP page?

Q 36: What are custom tags? Explain how to build custom tags?

Q 37: What is a TagExtraInfo class?

Q 38: What is the difference between custom JSP tags and JavaBeans?

Q 39: Tell me about JSP best practices?

Q 40: How will you avoid scriptlet code in JSP?

Q 41: What is JDBC? How do you connect to a database?

Q 42: What are JDBC Statements? What are different types of statements? How can you create them?

Q 43: What is a Transaction? What does setAutoCommit do?

Q 44: What is the difference between JDBC-1.0 and JDBC-2.0? What are Scrollable ResultSets, Updateable ResultSets, RowSets, and Batch updates?

Q 45: How to avoid the “running out of cursors” problem?

Q 46: What is the difference between statements and prepared statements?

Q 47: Explain differences among java.util.Date, java.sql.Date, java.sql.Time, and java.sql.Timestamp?

Q 48: What is JNDI? And what are the typical uses within a J2EE application?

Q 49: Explain the difference between the look up of “java:comp/env/ejb/MyBean” and “ejb/MyBean”?

Q 50: What is a JNDI InitialContext?

Q 51: What is an LDAP server? And what is it used for in an enterprise environment?