**Important Interview question for updated Java 8**

**Java8 features:** **http://www.journaldev.com/2389/java-8-features-with-examples**

**http://www.journaldev.com/2389/java-8-features-with-examples**

**Servlet Interview Questions**

1. [What is different between web server and application server?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#web-server-vs-application-server)
2. [Which HTTP method is non-idempotent?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#http-idempotent-methods)
3. [What is the difference between GET and POST method?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#http-get-vs-post)
4. [What is MIME Type?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#mime-type)
5. [What is a web application and what is it’s directory structure?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#web-application-directory)
6. [What is a servlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#what-is-servlet)
7. [What are the advantages of Servlet over CGI?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-vs-cgi)
8. [What are common tasks performed by Servlet Container?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-container)
9. [What is ServletConfig object?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servletconfig)
10. [What is ServletContext object?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servletcontext)
11. [What is difference between ServletConfig and ServletContext?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servletconfig-vs-servletcontext)
12. [What is Request Dispatcher?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#request-dispatcher)
13. [What is difference between PrintWriter and ServletOutputStream?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#printwriter-vs-servletoutputstream)
14. [Can we get PrintWriter and ServletOutputStream both in a servlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#printwriter-servletoutputstream)
15. [How can we create deadlock situation in servlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-deadlock)
16. [What is the use of servlet wrapper classes?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-wrapper-classes)
17. [What is SingleThreadModel interface?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#singlethreadmodel-interface)
18. [Do we need to override service() method?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#override-service-method)
19. [Is it good idea to create servlet constructor?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-constructor)
20. [What is difference between GenericServlet and HttpServlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#GenericServlet-vs-HttpServlet)
21. [What is the inter-servlet communication?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-communication)
22. [Are Servlets Thread Safe? How to achieve thread safety in servlets?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#thread-safe-servlet)
23. [What is servlet attributes and their scope?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-attributes)
24. [How do we call one servlet from another servlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-forward)
25. [How can we invoke another servlet in a different application?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-sendRedirect)
26. [What is difference between ServletResponse sendRedirect() and RequestDispatcher forward() method?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#forward-vs-sendRedirect)
27. [Why HttpServlet class is declared abstract?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#HttpServlet-abstract)
28. [What are the phases of servlet life cycle?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-life-cycle)
29. [What are life cycle methods of a servlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-life-cycle-methods)
30. [why we should override only no-agrs init() method.](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#override-init)
31. [What is URL Encoding?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#url-encoding)
32. [What are different methods of session management in servlets?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#session-management)
33. [What is URL Rewriting?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#url-rewriting)
34. [How does Cookies work in Servlets?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#cookies-servlet)
35. [How to notify an object in session when session is invalidated or timed-out?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#session-invalidate)
36. [What is the difference between encodeRedirectUrl and encodeURL?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#encodeRedirectUrl-vs-encodeURL)
37. [Why do we have servlet filters?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-filters)
38. [What is the effective way to make sure all the servlets are accessible only when user has a valid session?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#authentication-filter)
39. [Why do we have servlet listeners?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-listeners)
40. [How to handle exceptions thrown by application with another servlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-exception-handling)
41. [What is a deployment descriptor?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#deployment-descriptor)
42. [How to make sure a servlet is loaded at the application startup?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#load-on-startup)
43. [How to get the actual path of servlet in server?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-path)
44. [How to get the server information in a servlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#server-information)
45. [Write a servlet to upload file on server.](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#file-upload-servlet)
46. [How do we go with database connection and log4j integration in servlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-database-log4j)
47. [How to get the IP address of client in servlet?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-client-ip)
48. [What are important features of Servlet 3?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-3-features)
49. [What are different ways for servlet authentication?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-authentication)
50. [How can we achieve transport layer security for our web application?](http://www.journaldev.com/2015/servlet-interview-questions-and-answers#servlet-ssl)

# JSP Interview Questions and Answers

Topics for jsp

1. [JSP Tutorial for Beginners](http://www.journaldev.com/2021/jsp-example-tutorial-for-beginners)
2. [JSP Implicit Objects](http://www.journaldev.com/2038/jsp-implicit-objects)
3. [JSP Directives](http://www.journaldev.com/2044/jsp-directives-page-include-taglib-example)
4. [JSP Exception Handling](http://www.journaldev.com/2049/jsp-exception-handling-jsp-error-page)
5. [JSP Action Tags](http://www.journaldev.com/2082/jsp-action-tags-jsp-usebean-include-forward)
6. [JSP EL](http://www.journaldev.com/2064/jsp-expression-language-el-example-tutorial)
7. [JSTL Core Tags](http://www.journaldev.com/2090/jstl-tutorial-jstl-example-jstl-core-tags)
8. [JSP Custom Tags](http://www.journaldev.com/2099/jsp-custom-tags-example-tutorial)

## JSP Interview Questions

1. [What is JSP and why do we need it?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-benefits)
2. [What are the JSP lifecycle phases?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-life-phases)
3. [What are JSP lifecycle methods?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-lifecycle-methods)
4. [Which JSP lifecycle methods can be overridden?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-method-override)
5. [How can we avoid direct access of JSP pages from client browser?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-restricted-access)
6. [What are different types of comments in JSP?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-comments)
7. [What is Scriptlet, Expression and Declaration in JSP?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-scriptlet)
8. [What are JSP implicit objects?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-implicit-objects)
9. [Can we use JSP implicit objects in a method defined in JSP Declaration?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-declaration)
10. [Which implicit object is not available in normal JSP pages?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-exception-object)
11. [What are the benefits of PageContext implicit object?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-pagecontext)
12. [How do we configure init params for JSP?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-init-params)
13. [Why use of scripting elements in JSP is discouraged?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-scripting)
14. [Can we define a class in a JSP Page?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-nested-class)
15. [How can we disable java code or scripting in JSP page?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-disable-scripting)
16. [Explain JSP Action Elements or Action Tags?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-actions)
17. [What is difference between include directive and jsp:include action?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-include-action-vs-directive)
18. [What is JSP Expression Language and what are it’s benefits?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-el)
19. [What are JSP EL implicit objects and how it’s different from JSP implicit Objects?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-el-objects)
20. [How to use JSP EL to get HTTP method name?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-el-http-method)
21. [What is JSP Standard Tag Library, provide some example usage?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jstl-example)
22. [What are the types of JSTL tags?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsl-tags)
23. [What is JSP Custom Tag and what are it’s components?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-custom-tags)
24. [Give an example where you need JSP Custom Tag?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-custom-tags-example)
25. [Why don’t we need to configure JSP standard tags in web.xml?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-jstl-configure)
26. [How can we handle exceptions thrown by JSP service method?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-error-page)
27. [How do we catch exception and process it using JSTL?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-catch)
28. [How do we print “<br> creates a new line in HTML” in JSP?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-out-escapexml)
29. [What is jsp-config in deployment descriptor?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-config)
30. [How to ignore the EL expression evaluation in a JSP?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-ignore-el)
31. [When will Container initialize multiple JSP/Servlet Objects?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-multiple-instance)
32. [Can we use JavaScript with JSP Pages?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-javascript)
33. [How can we prevent implicit session creation in JSP?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-session)
34. [What is difference between JspWriter and Servlet PrintWriter?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jspwriter-vs-printwriter)
35. [How can we extend JSP technology?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-extend)
36. [Provide some JSP Best Practices?](http://www.journaldev.com/2110/jsp-interview-questions-and-answers#jsp-best-practices)

# JDBC Interview Questions and Answers

1. [What is JDBC API and when do we use it?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#jdbc-overview)
2. [What are different types of JDBC Drivers?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#jdbc-driver-types)
3. [How does JDBC API helps us in achieving loose coupling between Java Program and JDBC Drivers API?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#jdbc-reflection)
4. [What is JDBC Connection? Explain steps to get Database connection in a simple java program.](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#jdbc-connection)
5. [What is the use of JDBC DriverManager class?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#jdbc-DriverManager)
6. [How to get the Database server details in java program?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#jdbc-DatabaseMetaData)
7. [What is JDBC Statement?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#Statement)
8. [What is the difference between execute, executeQuery, executeUpdate?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#execute-executeQuery-executeUpdate)
9. [What is JDBC PreparedStatement?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#PreparedStatement)
10. [How to set NULL values in JDBC PreparedStatement?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#set-null-values)
11. [What is the use of getGeneratedKeys() method in Statement?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#generated-keys)
12. [What are the benefits of PreparedStatement over Statement?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#Statement-vs-PreparedStatement)
13. [What is the limitation of PreparedStatement and how to overcome it?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#PreparedStatement-IN-clause)
14. [What is JDBC ResultSet?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#ResultSet)
15. [What are different types of ResultSet?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#ResultSet-Types)
16. [What is the use of setFetchSize() and setMaxRows() methods in Statement?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#fetchSize-maxRows)
17. [How to use JDBC API to call Stored Procedures?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#CallableStatement-Stored-Procedure)
18. [What is JDBC Batch Processing and what are it’s benefits?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#Batch-Processing)
19. [What is JDBC Transaction Management and why do we need it?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#Transaction-Management)
20. [How to rollback a JDBC transaction?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#Rollback-Transaction)
21. [What is JDBC Savepoint? How to use it?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#Savepoint)
22. [What is JDBC DataSource and what are it’s benefits?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#DataSource-Benefits)
23. [How to achieve JDBC Connection Pooling using JDBC DataSource and JNDI in Apache Tomcat Server?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#Connection-Pool-Tomcat)
24. [What is Apache DBCP API?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#apache-dbcp)
25. [What is JDBC Connection isolation levels?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#connection-isolation-levels)
26. [What is JDBC RowSet? What are different types of RowSet?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#RowSet-Types)
27. [What is the different between ResultSet and RowSet?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#ResultSet-vs-RowSet)
28. [What are common JDBC Exceptions?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#SQL-Exceptions)
29. [What is CLOB and BLOB datatypes in JDBC?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#CLOB-BLOB)
30. [What is “dirty read” in JDBC? Which isolation level prevents dirty read?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#dirty-read-isolation)
31. [What is 2 phase commit?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#2-phase-commit)
32. [What are the different types of locking in JDBC?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#locking-types)
33. [What do you understand by DDL and DML statements?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#DDL-DML-statements)
34. [What is difference between java.util.Date and java.sql.Date?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#java.util.Date-vs-java.sql.Date)
35. [How to insert an image or raw data into database?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#insert-binary-data)
36. [What is phantom read and which isolation level prevents it?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#phantom-read-isolation)
37. [What is SQL Warning? How to retrieve SQL warnings in the JDBC program?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#SQL-Warnings)
38. [How to invoke Oracle Stored Procedure with Database Objects as IN/OUT?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#Oracle-STRUCT)
39. [When do we get java.sql.SQLException: No suitable driver found?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#No-suitable-driver-found-exception)
40. [What are JDBC Best Practices?](http://www.journaldev.com/2529/jdbc-interview-questions-and-answers#jdbc-best-practices)