

 <p>NIET Greater Noida <i>GET FUTURE READY</i> AN AUTONOMOUS INSTITUTE</p>	<p>Web Technology (KCS 602)</p>	<p>SESSION 2021-22 SEM-6TH (EVEN)</p>
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Assignment 1

1. Explain the term Internet and Web Project.
2. List Web Development strategies.
3. Explain the protocols governing web.
4. Explain Client-Server computing with pros and cons, also explain its characteristics.
5. Define the concepts of OOPs.
6. Explain AWT and Layout Manager.
7. Define the concept of exceptional handling in Java.
8. Explain control flow statements in Java .

Assignment 2

1. Discuss Anchor tag and how can you open an URL into a new tab when clicked?
2. Explain CSS? Name all the modules, which are used in the current version of CSS.
3. Discuss markup language? Define XML. What are the features of XML?
4. Explain DTD in XML?
5. Explain XML Schema? What are differences between DTDs and Schema?
6. Explain HTML with its webpage format.
7. Discuss the benefits and demerits do External Style Sheets have?
8. Explain the role of CSS selector ?
9. Discuss Declaration block.
10. Comment on the Case-sensitivity of CSS.

Assignment 3

1. Define JavaScript? Enumerate the differences between Java and JavaScript.
2. Explain different ready states of a request in AJAX?
3. Discuss Socket? What Does A Socket Consists Of? Explain the Open A Socket?
4. Explain Data Transfer Over Connected Sockets - Send () and Recv().
5. Explain Connection Establishment by Server - Accept () .
6. Enumerate the differences between Java and JavaScript.
7. Explain global variables? How are these variable declared and discuss the problems associated with using them?
8. Discuss Socket and Server Socket in java with its package. Explain the communication establishment in between client and server?
9. Discuss AJAX. Explain the application of AJAX with the help of suitable examples.
10. Discuss cookies. Explain the working of cookie and its usage.

Assignment 4

1. Discuss EJB? What are the different types of EJB? Differentiate ‘Stateful Session’ from ‘Entity Bean’.
2. Discuss JDBC API and when do we use it?
3. Discuss different types of JDBC Drivers?
4. Explain the use of JDBC DriverManager class?
5. How to get the Database server details in java program?
6. Explain JDBC Statement?
7. Discuss EJB. Explain EJB architecture. What are its various types?
8. Explain JavaBeans. Why they are used? Discuss setter and getter method with java code.
9. Explain JDBC application architecture. List the various types of JDBC drivers. Discuss the steps to connect database with the web application using JDBC. Write a program to demonstrate how to retrieve the data from a table using JDBC API.
10. Compare JDBC and ODBC. List the different types of JDBC drivers.

Assignment 5

1. Explain URL Encoding and Rewriting?
2. Explain different methods of session management in servlets?
3. How does Cookies work in Servlets?
4. How can we prevent implicit session creation in JSP?
5. Explain difference between JspWriter and Servlet PrintWriter?
6. Discuss JSP and why do we need it?
7. What are the JSP lifecycle phases?
8. What are the JSP lifecycle methods?
9. How can we avoid direct access of JSP pages from client browser?
10. Explain Servlets with its life cycle. How its life cycle is different from the life cycle of JSP. Explain with an example.