ASSIGNMENT 1

1. Prepare an HTML page listing popular car companies. For each company prepare a sublist showing various brands of car it offers. Create a CSS style sheet and use it to display the document.

2. Design an HTML form to see the result for a candidate when the results are published an the net. Include the following data validation using Javascript :
    *   The register number should be a 9-digit number.

3. Write a script to calculate over time pay of 10 employees. Overtime is paid at the rate of Rs. 12.00 per hour for every hour worked above 40 hrs. Assume the employees do net work for fractional part of an hour.

4. Develop an HTML and Javascript document to evaluate the simple interest of a number. The problem should have following module :
    i.   An HTML form that takes principal, number of years, rate of interest as input. Create a click button simple interest.
    ii. The client (Browser) validates the data.
    iii. The client sends a request to the server. The request takes the data to the server and asks for simple interest.
    iv. The server receives the data, evaluates the simple interest and sends the result to the browser.

5. Write an HTML document with Javascript to count the number of vowels in a text typed in text area.

6. Explain working with Document Object Model.

7. Differentiate between SMTP and POP.

8. Write a JavaScript that scrolls a text message in the status bar of the browser window.

9. Write CSS code that defines five classes of paragraph with different background, color, margins, padding and border style.

10. How does an XSLT processor use an XSLT style sheet with an XML document?

11. Briefly explain the purpose of XML processor.

12. Write a script for creating and validating a login form?

13. What is web application? Differentiate between client side scripting and server side scripting.

14. Show how SAX is an alternative method for parsing XML documents. Write its advantages.