WEB TECHNOLOGY – EX2

1. Develop and demonstrate a XHTML file that includes Javascript script for the following problems:
a) Input: A number n obtained using prompt
Output: The first n Fibonacci numbers
b) Input: A number n obtained using prompt
Output: A table of numbers from 1 to n and their squares using **alert**

2. a) Develop and demonstrate, using Javascript script, a XHTML document that collects the USN (the valid format is: A digit from 1 to 4 followed by two upper-case characters followed by two digits followed by two upper-case characters followed by three digits; no embedded spaces allowed) of the user. Event handler must be included for the form element that collects this information to validate the input. Messages in the alert windows must be produced when errors are detected.
b) Modify the above program to get the current semester also (restricted to be a number from 1 to 8.

3. a) Develop and demonstrate, using Javascript script, a XHTML document that contains three short paragraphs of text, stacked on top of each other, with only enough of each showing so that the mouse cursor can be placed over some part of them. When the cursor is placed over the exposed part of any paragraph, it should rise to the top to become completely visible.
b) Modify the above document so that when a paragraph is moved from the top stacking position, it returns to its original position rather than to the bottom.

4. a) Design an XML document to store information about a student in an engineering college affiliated to VTU. The information must include 100 USN, Name, Name of the College, Brach, Year of Joining, and e-mail id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document.
b) Create an XSLT style sheet for one student element of the above document and use it to create a display of that element.

5. Write a PHP program to store current date-time in a COOKIE and display the 'Last visited on' date-time on the web page upon reopening of the same page.

6. Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.

7. Create a XHTML form with Name, Address Line 1, Address Line 2, and E-mail text fields. On submitting, store the values in MySQL table. Retrieve and display the data based on Name.