



## **School of Information Technology and Engineering**

### **ITE1002 - Web Technologies - B.Tech**

#### **Lab Cyclesheet – JavaScript**

1. A mail-order house sells five different products whose retail prices are as follows: product 1, \$2.98; product 2, \$4.50; product 3, \$9.98; product 4, \$4.49; and product 5, \$6.87. Write a script that reads a series of pairs of numbers as follows:
  1. Product number 2. Quantity sold for one dayYour program should use a switch statement to determine each product's retail price and should calculate and output HTML that displays the total retail value of all the products sold last week. Use a prompt dialog to obtain the product number and quantity from the user. Use a sentinel-controlled loop to determine when the program should stop looping and display the final results. If the user inputs an invalid product number a proper alert window shall be displayed.
2. Create a web page containing three divisions.
  - i) The first division displays a digital clock on the rightmost end.
  - ii) The width of the first division is 100%.The second division and third division lay side by side.
  - iii) The second division has an image slider and third division has a color picker and two list box having font-family and size and a button. When a button is clicked the background color, font and font size should change for a whole page. Use JavaScript to implement the above.
3. Design a student registration form which takes student name, register number, DOB, program, email id, temporary address, permanent address, phone number. Validate the following using JavaScript:
  - i) Mobile number should be exactly 10 digits.
  - ii) Register number should have alphabets and numbers only

- iii) Name should not exceed 30 characters and can be only alphabets.
  - iv) Email validation
  - v) Provide a checkbox saying “Permanent address is same as temporary address”. If checked, the value of permanent address should be added automatically from temp address. And should be in disabled mode.
4. BSNL has designed a grievance registration form in HTML with name of customer, address, telecom circle, email and grievance nature in a list box containing huge bills for limited mobile usage, roaming charges and frequent service disruption and a submit button. Write a Javascript DOM event to be enabled when the user submits the form and display the complaint details in a tabular format. If no grievance is selected, then invoke another DOM event to display “No grievances”.
5. Develop an online Railway Reservation application.
- i) It has top frame with the name “Online Railway Reservation System” in the middle, there is a logo/image in the left corner using suitable CSS styles and the left frame with the links for Ticket booking and availability checking; for each link the target should be the right frame.
  - ii) Create a Ticket Booking form which should have From and To in a text box, Train Names in a drop down box, Coach Number in a list box, Date in a date field, Timing in a text box, Passengers Male and female in a dropdown menu showing the count number and Submit and Reset button.
  - iii) Assume availability of tickets already declared in the script. Create a DOM event to display the ticket confirmation details on any HTML element when ticket is available otherwise display “tickets not available” by invoking any other DOM event.