

### Problem-01:

(A) Design the following static web pages required for an online book store web site.

- 1) **HOME PAGE:** The static home page must contain three **frames**.
- 2) **LOGIN PAGE**
- 3) **CATALOGUE PAGE:** The catalogue page should contain the details of all the books available in the web site in a table.

(B) Write a program for the following output:

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FIRST NAME

LAST NAME

USERNAME

EMAIL

PH. NUMBER

PASSWORD

CONFIRM PASSWORD

SUBMIT

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### Problem-02:

(A) Write *JavaScript* to validate the following fields of the Registration page.

1. **First Name** (Name should contains alphabets and the length should not be less than 6 characters).
2. **Password** (Password should not be less than 6 characters length).
3. **E-mail id** (should not contain any invalid and must follow the standard pattern name@domain.com)
4. **Mobile Number** (Phone number should contain 10 digits only).
5. **Last Name and Address** (should not be Empty).

(B) Write a program for the following output:

- Fruits
  - Mango
  - Orange
- Vegetables
  - Cabbage
  - Capsicum
    - Green Capsicum
    - Yellow Capsicum
    - Red Capsicum

### Problem-03:

(A) Develop and demonstrate the usage of inline, internal and external style sheet using CSS.

**Aim:** Design a web page using CSS which includes the following:

- 1) Use different font styles
- 2) Control the repetition of image with background-repeat and no-repeat property
- 3) Define style for links as a: link, a: active, a: hover, a: visited
- 4) Add customized cursors for links.

(B) Write a program to draw the following table:

Heading	Students	Details		
	Id	Name	Department	Roll Number
Student List	1	Victor	Computer Science	12345
	2	Williams	Electronics	23456
	3	Harry	Electrical	34567
	4	Rick	Civil	45678

### Problem-04:

Develop and demonstrate JavaScript with POP-UP boxes and functions for the following problems:

- a) Input: Click on Display Date button using  
onclick( ) function Output: Display **date** in the  
textbox
- b) Input: A number n obtained using **prompt**  
Output: **Factorial** of n number using  
**alert**
- c) Input: A number n obtained using  
**prompt**  
Output: A **multiplication table** of numbers from 1 to 10 of n using **alert**
- d) Input: A number n obtained using **prompt** and add another number using **confirm**  
Output: **Sum** of the entire n numbers using **alert**

### Problem-05:

- (A) Write an HTML page that contains a selection box with a list of 5 countries. When the user selects a country, its capital should be printed next in the list. Add CSS to customize the properties of the font of the capital (color, bold and font size).
- (B) Write an HTML page including any required JavaScript that takes a number from text field in the range of 0 to 999 and shows it in words. It should not accept four and above digits, alphabets and special characters.

### Problem-06:

(A) Develop and demonstrate a XHTML file that includes JavaScript for the following problems:

- Input: A number n obtained using prompt  
Output: The first n Fibonacci numbers
- Input: A number n obtained using prompt  
Output: A table of numbers from 1 to n and their squares using alert

(B) Write a program to insert an image into webpage

### Problem-07:

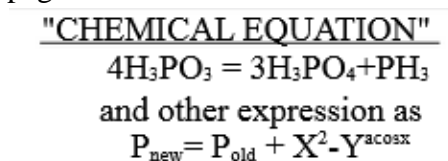
Develop and demonstrate a HTML file that shows the following output (Using table tag):

APPLICATION FORM (2021-22)	
Group	<b>B</b>
Reference Number:	<b>B221314</b>
Applicant's Name	<b>ATAUR RAHMAN</b>
Father's Name	<b>A. T. M. JAFOR ULLAH</b>
Mother's Name	<b>ALEYA BEGUM</b>
Date of Birth:	<b>1994-12-25</b>
Email:	<b>534@gmail.com</b>
Present Address:	<b>HOUSE NO : /A, ROAD NO : : 'A, SECTOR:6,UTTARA, DHAKA-1230</b>
Permanent Address:	<b>HOLDING NO: , HAZI ABDUL HAKIM MEMBER BARI, WORD: 08, VILLAGE: DHARMAPUR, FENI SADAR, FENI</b>
Mobile Number:	<b>+880</b>

Degree	Board/ University	Group/ Subject	Passing Year	Result	Duration
S.S.C/Equivalent	DAKHIL	GENERAL	2009	G.P.A. 4.88 Out of 5	N/A
H.S.C/Equivalent	ALIM	GENERAL	2011	G.P.A. 4.75 Out of 5	N/A
B.S.C/Equivalent	Honours	ECONOMICS	2015	CGPA _ 2.68 Out of 4	4 Years
M.S.C/Equivalent	M.S.S.	ECONOMICS	2016	CGPA _ 2.50 Out of 4	1 Year

### Problem-08:

Design following HTML page:



Create a nested list as follows:

## Computer System

### 1. Input Devices

- i. Keyboard
- ii. Mouse
- iii. Joystick
- iv. Scanner
  - a. Flat Bed Scanner
  - b. Hand held Scanner

### 2. Output Devices

- i. Monitor
  - a. LCD
  - b. CRT
- ii. Printer
  - a. Impact Printer
  - b. Non-Impact Printer

Apply following parts:

- ✓ Insert an image of computer on top right corner of web page
  - ✓ Display a marquee displaying "Input and Output Devices"
  - ✓ Use different font styles and colors for Input and Output Devices
  - ✓ Insert horizontal line after Input Devices are over
  - ✓ Use bold, italics and underline in headings
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## Problem-09:

Write a JavaScript program to perform Confirm password validation  
Design the following Registration Form:

### Student Registration Form

Firstname

Firstname

Middlename:

Middlename

Lastname:

Lastname

Course :

Course ▼

Gender :

☒ Male ☐ Female ☐ Other

Phone :

+91

phone no.

Current Address :

Current Address

Email

Enter Email

Password

Enter Password

Re-type Password

Retype Password

Register