



## **BCSE203E- Web Programming**

### **Assignment 2.3**

**Topics:** HTML- Forms, CSS and JavaScript

#### **Problem 1**

Create an HTML file that lists:

To create a very simple income tax form. The form will have two text fields. The first one is where the user will enter their total income. The second field is where the computed income tax is displayed. The form will also need one button. When this button is pressed, the income tax is computed for the income entered in the first field. The form could look something as follows:

Enter Yearly Income:	<input type="text"/>
<input type="button" value="Calculate Tax"/>	
Your Income Tax is:	<input type="text"/>

Here is the income range and tax slab for computation

Income Range	Tax
\$0 - \$2,000	Nothing
\$2,001 - \$20,000	4% * Each dollar earned over \$2,000
\$20,001 - \$40,000	\$720 + 8% * Each dollar earned over \$20,000
\$40,001 - \$80,000	\$2,320 + 16% * Each dollar earned over \$40,000
\$80,001 - \$120,000	\$8,720 + 24% * Each dollar earned over \$80,000
\$120,001 +	\$18,320 + 32% * Each dollar earned over \$120,000

## Problem 2

You will create a 3×3 grid where two players will take turns marking the grid with cross and circle symbols. The first player to get three marks in a horizontal, vertical, or diagonal row wins the game. Building a simple Tic Tac Toe game using JavaScript.

1. The game is played on a grid that's 3 squares by 3 squares.
2. You are X, your friend (or the computer in this case) is O. Players take turns putting their marks in empty squares.
3. The first player to get 3 of her marks in a row (up, down, across, or diagonally) is the winner.
4. When all 9 squares are full, the game is over. If no player has 3 marks in a row, the game ends in a tie.