Exercise 2 (JavaScript)

1) Happy face game (4X4: table on initial image) with random number from (1 to 16) and each cell can clicked one depend on the position of the random number you win with happy face else load sad face game over if number of clicked equal 4 please show to the player number of remaining trials. Finally find a way that after finishing the game to play again or exit.

2) Advance feature of happy face game
   a. Included timer that the game over after 10 seconds
   b. Included at the right of the game board a list of top 3 scores person name of the winners.
   c. Save this top scores in cookies with 3 items name1,score1,name2,score2,name3,score3 which loaded automatically when play open the game.
   d. These cookies expire after one month.

3) Using a swith case statement to convert large number to text included millions that can be used in electronic invoice print out.

4) Create table for the DOM and BOM model for all the objects and related methods you are study.

5) Write a JavaScript code to fill related two combo box with country and related government (data stored in the page in arrays form) .

6) "Optional": can you rewrite the previous question using Ajax technique to get the data from XML file on the web server.

   ("Optional"): Advanced algorithms:
   1- A recursive function that convert decimal to binary
   2- A recursive function the solve Tower of Hanoi problem
   3- Java script program to solve the 8 queen problem and the solution can be text or graphical presentation.