Intro to Computing—CSCI-1310

Resources
Assignments
Email David

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Lab 11—Functions, for loop and arrays Objectives

Use functions.

Use nested for loops.

Use two dimensional arrays.

Write a program to generate 8x8 checker board composed of red and black squares. Following are the steps to populate the board:

Take a two dimensional character array of size 8x8, named board.

Example of 4x4 matrix:

3.In the same format as above, create an 8x8 checker board where b is for black checkers and r for red checkers. The empty squares are denoted by spaces in the array.

Now, create a function named <code>displayBoard</code> which prints out the board. The <code>displayBoard</code> function should take the board array as a parameter.

Syntax

```
void displayBoard(char board[8][8]) {
    // print the board
}
```

Use a nested for loop inside the <code>displayBoard()</code> to print out the board.

Finally, create the main function that calls the displayBoard() inside it.

Output

Zip and submit

To get credit for this lab exercise:

Submit the file to Moodle as a zip file named Firstname_Lastname_Lab11.zip Show the TA your code and run your program.

Pass by reference IO Streams