CSCI 1060U - Laboratory #8
(More) Programming Tic-Tac-Toe
Lab Due: <u>Sunday, Nov. 22, 2020 at 11:59pm (Canvas)</u>

Introduction

The main purpose of this lab is to implement a two-dimension dynamic array.

Activity #1

You should start by downloading the **tictactoe_final.cpp** program (http://www.sqrlab.ca/exercises/tictactoe_final.cpp) (alternatively you can start from your Laboratory 6 submission). This program uses a two-dimensional array for the tic-tac-toe board that is implemented using an ordinary (automatic) variable:

```
string board[SIZE][SIZE];
```

For this lab you need to modify the board array to be implemented using dynamic variables and update the rest of the program accordingly.

(*Hint:* a two-dimensional dynamic array is created using a pointer to an array of pointers)

You should submit your *source file* (.cpp) for Activity #1 through the lab drop box in Canvas.