

OutputWinner.cpp

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1 /*****
2  * PROGRAMMER : Ali Eshghi
3  * STUDENT ID : 1112261
4  * CLASS      : CS1B
5  * SECTION    : MW 7:30pm
6  * Assign #2  : tic-tac-toe game (multi-dimensional arrays)
7  * DUE DATE   : 19 September 2019
8  *****/
9 #include "MyHeader.h"
10
11 /*****
12  * OutputWinner
13  * This function receives as input a character indicating which player won
14  * or if the game was a tie and outputs an appropriate message. This function
15  * does not return anything as it simply outputs the appropriate message to
16  * the screen.
17  *
18  * RETURNS: nothing
19  * Displays the winner's name
20  *****/
21
22 void OutputWinner(char &wonPlayer, // IN -represents the winner or a value
23                  // indicating a tied game.
24                  string playerX, //OUT -player X's name
25                  string playerO, //OUT -player O's name
26                  char tokenChoice,
27                  char compToken,
28                  int option)
29 {
30     if (option == 1)
31     {
32         /*****
33          * OUTPUT - outputs the result of the game(who has one). or the game
34          * ended in tie.
35          *****/
36         if(toupper(tokenChoice) == 'X')
37         {
38             switch(wonPlayer)
39             {
40                 case 'X': cout << "You have won the Game"
41                          << endl;
42                 break;
43                 case 'O': cout << "Master has won the Game;";
44                          cout << " Better luck next time;";
45                          << endl;
46                 break;
47                 default: cout << "The Game ended in tie." << endl;
48                          wonPlayer = 'N';
49             }
50         }
51
52         else if(toupper(tokenChoice) == 'O')
53         {
54             switch(wonPlayer)
55             {
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56         case '0': cout << "You have won the Game"
57                     << endl;
58         break;
59         case 'X': cout << "Master has won the Game;";
60                     cout << " Better luck next time;"
61                     << endl;
62         break;
63         default:  cout << "The Game ended in tie."          << endl;
64                     wonPlayer = 'N';
65     }
66 }
67 }
68
69 else if(option == 2)
70 {
71     /*****
72     * OUTPUT - outputs the result of the game(who has one). or the game
73     *          ended in tie.
74     *****/
75     switch(wonPlayer)
76     {
77         case 'X': cout << playerX << " has won the Game" << endl;
78         break;
79         case '0': cout << player0 << " has won the Game" << endl;
80         break;
81         default:  cout << "The Game ended in tie."          << endl;
82                     wonPlayer = 'N';
83     }
84 }
85 }
86

```