**Objective**

For this program, you will be writing parts of a text based rock, paper, scissors game. The program will allow the user to face the computer in a game of rock, paper, scissors, for a specific number of rounds.

**Program Background**

In rock, paper, scissors, there are 3 different moves that the players can make: rock, paper, or scissors. For each round of the game, the user will type in one of the 3 moves. The program will randomly generate a move that the computer will make. The winner of each round will be determined based on what move both of the players make.

* Rock wins over Scissors
* Paper wins over Rock
* Scissors wins over Paper
* Tie otherwise

At any point in the program, the user may type in “end”. This will cause the game to end.

After downloading the starter code here: <http://logicfusion.ca/courses/page/P1>, please complete the following tasks:

1. Limit the game so that it runs for 15 rounds only. (2.5 marks)
2. Display a message showing what the user has played. (1 mark)
3. Display a message showing what the computer has played. (1 mark)
4. Write the conditions in which the player will win, lose, or tie. (1.5 marks)
5. Display a message telling the user if they won/lost/tied for each round. (1 mark)
6. Keep track of the user’s scores using the win/lose variable (or whatever variable you deem fit). (1 mark)
7. Make sure the user cannot enter anything other than “rock”, “paper”, “scissors”, and “end”. (1 mark)
8. Display the final score at the end, and show if the player won overall. (1 mark)

Total Mark: /10

\*\*Note: Look at the blue comments. It will give you hints on where to write code for some of the tasks, and inform you on what you should/should not change.\*\*

**Your completed program should output and display something like this:**

**(note: *italicized* words are user input)**

Welcome to the Rock, Paper, Scissors Tournament!

Please enter “rock”, “paper”, or “scissors”.

You may enter “end” at any time to end the game.

*rock*

You have played rock.

The computer has played scissors.

You win!

rock

You have played rock.

The computer has played paper.

You lose.

payper

You have played payper.

That is not an option. Please enter “rock”, “paper”, “scissors”, or “end”.

paper

You have played paper.

The computer has played paper.

You tie.

end

Your final scores were: wins – 1, losses – 1, ties – 1

Nice game! You have tied with the computer in the tournament!