

- In order to receive full credit, your program must be running correctly, implements all required functions/data and well-organized.
- Maximum possible points 60

“Rock, Paper, Scissors”

For the first program, we're going to do some minimal processing using iteration, selection, functional decomposition.

The assignment problem:

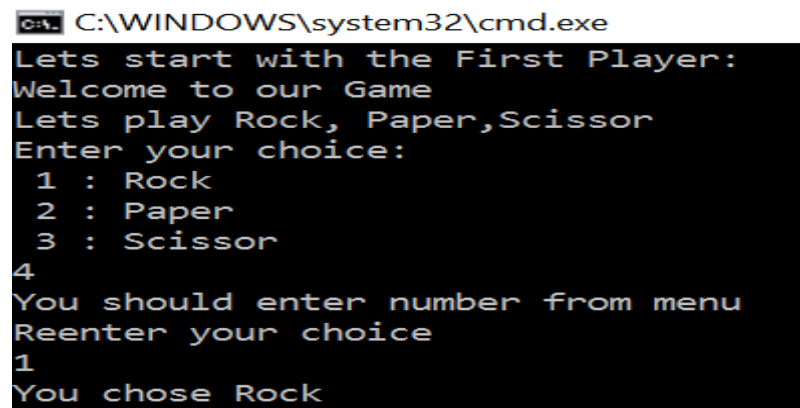
You will need to implement a program that plays the game of “Rock, Paper, Scissors”. In this game two players simultaneously say (or display a hand symbol representing) either “rock”, “paper”, or “scissors”. The winner is the one whose choice dominates the other.

The rules are:

- Paper dominates rock
- Rock dominates scissors
- Scissor dominate paper

Your application should include the following:

- **menu() function:**
 - It will contain a welcome message to the player and allow him/her to input his/her choice.



```
C:\WINDOWS\system32\cmd.exe
Lets start with the First Player:
Welcome to our Game
Lets play Rock, Paper, Scissor
Enter your choice:
1 : Rock
2 : Paper
3 : Scissor
4
You should enter number from menu
Reenter your choice
1
You chose Rock
```

- You need to check the user input. It must be one of the choices in the menu. Otherwise it will output a message to the player to reenter his/her choice (as shown in the output screen)
- Also it will output a message to confirm the player choice (if user's choice is 1 then “you chose Rock”).
- You will need to output the menu twice (once for player one and the other for player 2).

- **Winner () function:**
 - In this function you will evaluate the players' choice and will announce who is the winner depending on their choices.

```
C:\WINDOWS\system32\cmd.exe
Lets start with the First Player:
Welcome to our Game
Lets play Rock, Paper, Scissor
Enter your choice:
1 : Rock
2 : Paper
3 : Scissor
4
You should enter number from menu
Reenter your choice
1
You chose Rock
Now to the 2nd Player:
Welcome to our Game
Lets play Rock, Paper, Scissor
Enter your choice:
1 : Rock
2 : Paper
3 : Scissor
2
You chose Paper
Player 2 won
```

- For this program, the program needs to check if the players want to play again (make sure user input a correct choice (1 or 2))

```
Player 2 won
Do you want to play again? 1-Yes 2- No and exit
1
Lets start with the First Player:
Welcome to our Game
Lets play Rock, Paper, Scissor
Enter your choice:
1 : Rock
2 : Paper
3 : Scissor
```

Submission:

Zip up your entire project folder and submit the zip file to Blackboard by the deadline.