

ASSIGNMENT 4

```
#include <stdio.h>

#include <stdlib.h>

#include <time.h>

int main() {

    int userChoice, computerChoice;

    char *choices[] = {"Rock", "Paper", "Scissors"};

    srand(time(0));

    printf("Welcome to Rock, Paper, Scissors!\n");

    printf("Choose an option:\n");

    printf("1. Rock\n2. Paper\n3. Scissors\n");

    printf("Enter your choice (1, 2, or 3): ");

    scanf("%d", &userChoice);

    if (userChoice < 1 || userChoice > 3) {

        printf("Invalid choice. Please choose 1, 2, or 3.\n");

        return 1;

    }

    int randomNum = rand() % 101;

    if (randomNum < 33) {

        computerChoice = 1;

    } else if (randomNum < 66) {

        computerChoice = 2;

    } else {

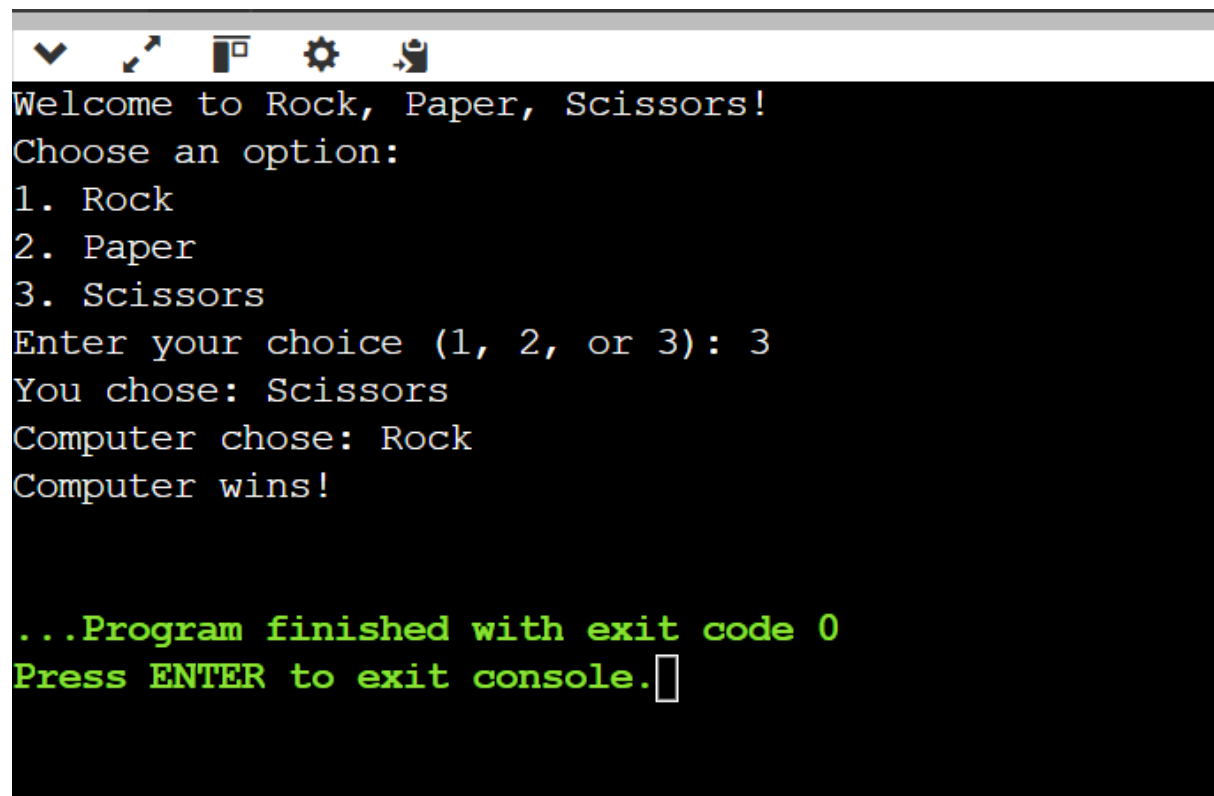
        computerChoice = 3;

    }

    printf("You chose: %s\n", choices[userChoice - 1]);

    printf("Computer chose: %s\n", choices[computerChoice - 1]);
```

```
if (userChoice == computerChoice) {  
    printf("It's a tie!\n");  
} else if ((userChoice == 1 && computerChoice == 3) ||  
           (userChoice == 2 && computerChoice == 1) ||  
           (userChoice == 3 && computerChoice == 2)) {  
    printf("You win!\n");  
} else {  
    printf("Computer wins!\n");  
}  
  
return 0;  
}
```



```
Welcome to Rock, Paper, Scissors!  
Choose an option:  
1. Rock  
2. Paper  
3. Scissors  
Enter your choice (1, 2, or 3): 3  
You chose: Scissors  
Computer chose: Rock  
Computer wins!  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```