

# **Machindra Chitale**

## **TASK 2.Rock, paper, scissors game**

```
import java.util.Scanner;
import java.util.Random;

public class RockPaperScissors {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        Random random = new Random();

        System.out.println("Welcome to Rock, Paper,
Scissors Game!");
        System.out.println("Enter your choice:");
        System.out.println("1. Rock");
        System.out.println("2. Paper");
        System.out.println("3. Scissors");
        System.out.print("Your choice (1/2/3): ");

        int userChoice = scanner.nextInt();

        if (userChoice < 1 || userChoice > 3) {
            System.out.println("Invalid choice!");
```

```
    return;  
}
```

```
String[] choices = {"Rock", "Paper", "Scissors"};  
String userChoiceStr = choices[userChoice - 1];
```

```
int computerChoice = random.nextInt(3) + 1;  
String computerChoiceStr =  
choices[computerChoice - 1];
```

```
    System.out.println("You chose: " +  
userChoiceStr);
```

```
    System.out.println("Computer chose: " +  
computerChoiceStr);
```

```
    if (userChoice == computerChoice) {  
        System.out.println("It's a tie!");  
    } else if ((userChoice == 1 && computerChoice  
== 3) ||  
                (userChoice == 2 && computerChoice  
== 1) ||  
                (userChoice == 3 && computerChoice  
== 2)) {  
        System.out.println("You win!");
```

```
    } else {  
        System.out.println("Computer wins!");  
    }  
  
    scanner.close();  
}  
}
```