

# **DEPARTMENT OF COMPUTER ENGINEERING**

# **Mini Project Report**

S.E. Semester III – Computer Engineering
Skill Based Lab Course: OOP with Java (CSL304)
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Name of the Project:

Mini-Game: Coinflip and Rock-Paper-Scissors

**Project Description:** 

Java application for performing a coin toss or playing Rock Paper Scissors

## **Project Code:**

```
///Java Program for Rock, Paper, Scissors and Coinflip
import java.util.*;
import java.lang.*;

public class MiniGame {
   public static String generateComputerChoice(Random random) {
     int wordNumber = (random.nextInt(3) + 1);
     String computerChoice;

   if (wordNumber == 1) {
       computerChoice = "rock";
   } else if (wordNumber == 2) {
       computerChoice = "paper";
   } else
   {
}
```

```
computerChoice = "scissors";
static String obtainUserChoice(Scanner sc) {
    String userWordChoice;
   userWordChoice = sc.nextLine();
   return userWordChoice;
static String chooseWinner(String computerChoice, String userChoice)
   String customMessage = "Both chose same";
       customMessage = rockMessage;
       customMessage = scissorsMessage;
```

```
computerChoice.equals("rock")) {
               case 2: obtainUserChoice(sc);
```

#### **Coinflip Class**

```
public class coinflip
{
    public void toss()
    {
        double rand = Math.random();
}
```

# **Output Screenshots:**

