

# STONE - PAPER – SCISSOR

## Code -

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

public class StonePaperScissor{

    public static void main(String[] args){

        Scanner sc = new Scanner(System.in);
        System.out.println("\n1\ " : for Stone \n2\ " : for Paper \n3\ " : for Scissor");

        // for user input

        int a = sc.nextInt();
        if (a == 1){
            System.out.println("You have picked stone");
        } else if (a == 2){
            System.out.println("You have picked Paper");
        } else if (a == 3) {
            System.out.println("You have picked scissor");
        } else {
            System.out.println("Invalid input!!!! please choose 1, 2, or 3.");
            return;
        }

        // Computer is giving random input

        Random ran = new Random();
        int b = ran.nextInt(3) + 1; // it is generating s a random number from 1 to 3
        if (b == 1) {
            System.out.println("Computer has picked Stone");
        } else if (b == 2){
            System.out.println("Computer has picked paper");
        } else if (b == 3) {
            System.out.println("Computer has picked Scissor") ;
        }

        // result logic

        if (a == b) {
            System.out.println("Match has been drawn");
        } else if ((a == 1 && b == 3) || (a == 2 && b == 1) || (a == 3 && b == 2)) {
```

```
        System.out.println("You win the match!");
    } else {
        System.out.println("Computer won the match!");
    }
}
}
```

## Output -

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
"1" : for Stone "2" : dor Paper "3" : for Scissor
1
You have picked stone
Computer has picked stone
Match is drawn

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
"1" : for Stone "2" : for Paper "3" : for Scissor
2
You have picked Paper
Computer has picked Scissor
Computer wins the match

Process finished with exit code 0
|
```

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA  
"1" : for Stone "2" : for Paper "3" : for Scissor  
3  
You have picked Scissor  
Computer has picked Paper  
You win the match!  
  
Process finished with exit code 0
```