**Week 2 M2: Programming Assignment  
Rock, Paper, Scissors**

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Bellevue University

CSD402-H323 Java for Programmers (2261-DD)

**Jack Lusby**

August 23th, 2025

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**GitHub Repository Link:**

<https://github.com/Juan551School/csd-402>

**Java Code**

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**package** rockPaperScissors;

**import** java.util.Scanner;

**import** java.util.Random;

**public** **class** RockPaperScissors {

**public** **static** **void** main(String[] args) {

Scanner input = **new** Scanner(System.***in***);

Random rand = **new** Random();

// Generate the computers choice (1 = Rock, 2 = Paper, 3 = Scissors)

**int** computerChoice = rand.nextInt(3) + 1;

// Ask user for their choice

System.***out***.println("Welcome to Rock-Paper-Scissors!");

System.***out***.println("Enter your choice: ");

System.***out***.println("1 = Rock, 2 = Paper, 3 = Scissors");

**int** userChoice = input.nextInt();

// Display choices

System.***out***.println("\nYou chose: " + *choiceToString*(userChoice));

System.***out***.println("Computer chose: " + *choiceToString*(computerChoice));

// Result

**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!");

}

input.close();

}

// Convert the numbers into words

**public** **static** String choiceToString(**int** choice) {

**switch** (choice) {

**case** 1: **return** "Rock";

**case** 2: **return** "Paper";

**case** 3: **return** "Scissors";

**default**: **return** "Invalid choice"; // In case the user presses a wrong option

}

}

}

**Pictures of Code Running**

