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import java.util.Scanner; // allows user to enter information
import java util Random;
                          //allows computer to generate random numbers
class RockPaperScissors { //class is our blueprint which represents our game of rock
paper scissors
   public static void main(String[] args) { //this will start the java program,
which is our main method
       try (Scanner inputscanner = new Scanner(System.in)) {    //this will read input
from user
           Random random = new Random();
generate the random numbers
           System.out.println("Ready to play Rock Paper Scissors?"); // Introduce
game to user
           System.out.println("1=Rock, 2= Paper, 3=Scissors.");
explains how user inputs information to play game
           int computerChoice = random.nextInt(3) + 1;
                                                                // computer chooses
number between 1 and 3
           System.out.print("Your Turn: ");
                                                                   // User gets
message it is their turn
           int userChoice = inputscanner.nextInt();
input
           System.out.println("Computer's Turn: " + convertToChoice(computerChoice));
 /users input is converted
           String result = WinnerChosen(computerChoice, userChoice);
results calculated
           System.out.println(result);
esults displayed
   public static String convertToChoice(int choice) {
correctly identifies choices that can be entered, if number outside of 1 to 3 is entered error will be shown
        switch (choice) {
switch helps to organize possible cases
           case 1:
option for selecting Rock
               return "Rock";
option for selecting Paper
               return "Paper":
option for selecting Scissors
               return "Scissors";
           default:
               return "Input not Valid";
numbers not 1–3 entered will be invalid
```

