Brayson Howard

RPS Game

Input:

**import** java.util.Random;

**import** java.util.Scanner;

**public** **class** Ch\_3\_17 {

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

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

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

**int** max = 3;

**int** playerChoice;

**int** computerChoice;

**boolean** play = **true**;

**int** computerScore = 0;

**int** playerScore = 0;

**int** a;

**int** b;

System.***out***.println("Let's play rock paper scsiors.");

**while**(play){

computerChoice = rand.nextInt(max);

System.***out***.println("Enter \n\t[0] for rock \n\t[1] for paper \n\t[2] for scissors");

System.***out***.print("\t\nYou guess: ");

playerChoice = input.nextInt();

**if** (playerChoice >= 0 && playerChoice <= 2){

System.***out***.println("You chose: " + playerChoice);

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

**switch**(10\*playerChoice+computerChoice){

**case** 0: System.***out***.println("You Tied"); **break**;

**case** 1: System.***out***.println("You Lost"); computerScore ++; **break**;

**case** 2: System.***out***.println("You Won"); playerScore ++; **break**;

**case** 10: System.***out***.println("You Won"); playerScore ++; **break**;

**case** 11: System.***out***.println("You Tied"); **break**;

**case** 12: System.***out***.println("You Lost"); computerScore ++; **break**;

**case** 20: System.***out***.println("You Lost"); computerScore ++; **break**;

**case** 21: System.***out***.println("You Won"); playerScore ++; **break**;

**case** 22: System.***out***.println("You Tied"); **break**;

}

a = (playerScore - computerScore);

System.***out***.println(a);

**if** (a == 2 ){

System.***out***.println("You Won!");

**break**;

}

**if** (a == -2 ){

System.***out***.println("You lost!");

**break**;

}

}

**else** {

System.***out***.println("Sorry wrong number!");

}

}

System.***out***.println("Thanks For playing!");

}

}

Output:

Let's play rock paper scissors.

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 0

You chose: 0

Computer chose: 2

You Won

1

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 1

You chose: 1

Computer chose: 2

You Lost

0

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 2

You chose: 2

Computer chose: 2

You Tied

0

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 5

Sorry wrong number!

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 1

You chose: 1

Computer chose: 0

You Won

1

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 1

You chose: 1

Computer chose: 1

You Tied

1

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 1

You chose: 1

Computer chose: 1

You Tied

1

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 1

You chose: 1

Computer chose: 2

You Lost

0

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 1

You chose: 1

Computer chose: 0

You Won

1

Enter

[0] for rock

[1] for paper

[2] for scissors

You guess: 1

You chose: 1

Computer chose: 0

You Won

2

You Won!

Thanks For playing!

Description:

This code was fun and it was basically switching the original game and adding new and different code! I used one switch statement and a lot less if else.