CSE 8A Programming Assignment 4

Name should be formatted as (last, first)
If you are working solo you may leave the right column blank.

Name: Darren Yeung   Name:

PID: A15943292   PID:

Email: dyeung@ucsd.edu   Email:

Part 1 Code:

```
// Copy and paste ALL of your program's code (including comments!) here
// Make sure to set the font to Courier New
   // IMPORTANT: Make sure your code is properly formatted and commented.
   // Code that does not have correct indentation and comments will lose marks.


import java.util.Arrays;
import java.util.Scanner;

public class assignment4 {

    public static void main(String[] args) {
        boolean[] answers = new boolean[10];
        Scanner read = new Scanner(System.in);
        int score = 0;

        System.out.println("Please type letter answers in caps, and true/false
answers in lowercase");
        System.out.println("Witcher 3 The Wild Hunt Test: ");
        System.out.println("1. Which author was this game based upon?");
        System.out.println("A) EL James");
        System.out.println("B) JK Rowling");
        System.out.println("C) Leo Tolstoy");
        System.out.println("D) Andrzej Sapkowski");
        System.out.println("E) Fyodor Dostoyevsky");
        String input = read.nextLine();

        if (input.equals("D")) {
            System.out.println("Correct!");
            answers[0] = true;
        } else {
            System.out.println("Incorrect! Correct answer is D");
        }
```

```java
        System.out.println("2. What is the name of the main character you play in
Witcher?");
        System.out.println("A) Geralt of Rivia");
        System.out.println("B) Ciri");
        System.out.println("C) Yennefer");
        System.out.println("D) Triss Merigold");
        System.out.println("E) Dandelion");
        input = read.nextLine();
        if (input.equals("A")) {
            System.out.println("Correct!");
            answers[1] = true;
        } else {
            System.out.println("Incorrect! Correct answer is A");
        }

        System.out.println("3. Which two characters can you choose to romance in
the game?");
        System.out.println("A) Ciri or Triss Merigold");
        System.out.println("B) Ciri or Yennefer");
        System.out.println("C) Yennefer or Triss Merigold");
        System.out.println("D) Yennefer or Philippa Eilhart");
        System.out.println("E) Keira Metz or Ciri");
        input = read.nextLine();
        if (input.equals("C")) {
            System.out.println("Correct!");
            answers[2] = true;

        } else {
            System.out.println("Incorrect! Correct answer is C");
        }

        System.out.println("4. Who is the final boss in Witcher 3? ");
        System.out.println("A) Lady of the Lake");
        System.out.println("B) Eredin");
        System.out.println("C) Imlerith");
        System.out.println("D) Vesemir");
        System.out.println("E) Emhyr var Emreis");
        input = read.nextLine();
        if (input.equals("B")) {
            System.out.println("Correct!");
            answers[3] = true;
        } else {
            System.out.println("Incorrect! Correct answer is B");
        }

        System.out.println("What year was the Witcher 3 released?");
        input = read.nextLine();
        int integerinput = Integer.parseInt(input);
        if (integerinput == 2015) {
```

```java
            System.out.println("Correct!");
            answers[4] = true;
        } else {
            System.out.println("Incorrect! Correct answer is 2015");
        }


        System.out.println("The creators of the Witcher series also created
Cyberpunk 2077. true or false?");
        input = read.nextLine();
        if (input.equals("true")) {
            System.out.println("Correct!");
            answers[5] = true;
        } else {
            System.out.println("Incorrect! Correct answer is True");
        }


        System.out.println("The company that made Witcher is called CD Projekt
Red. true or false?");
        input = read.nextLine();
        if (input.equals("true")) {
            System.out.println("Correct!");
            answers[6] = true;
        } else {
            System.out.println("Incorrect! The correct answer is true!");
        }


        System.out.println("There are multple story endings the player can
achieve in Witcher 3");
        input = read.nextLine();
        if (input.equals("true")) {
            System.out.println("Correct!");
            answers[7] = true;
        } else {
            System.out.println("Incorrect! The correct answer is true!");
        }


        System.out.println("Triss merigold has blonde hair. true or false?");
        input = read.nextLine();
        if (input.equals("false")) {
            System.out.println("Correct!");
            answers[8] = true;
        } else {
            System.out.println("Incorrect! The correct answer is false. She has
red hair!");
        }


        System.out.println("Ciri has white hair. True or false?");
        input = read.nextLine();
        if (input.equals("true")) {
            System.out.println("Correct!");
```

```
            answers[9] = true;
        } else {
            System.out.println("Incorrect! The correct anwer is true!");
        }


        for(int i = 0; i < answers.length ; i++){
            int at = i + 1;

            if(answers[i] == true){
                score += 1;
                System.out.println("You got question " + at+ " correct");
            }else{
                System.out.println("You got question " +at + " incorrect");
            }
        }


        System.out.println("Thank you for playing! Your total score was: " +
score + "/10");

    }

}
```

Part 2 Tests:

2.1 Show the result of running your full program with 2 different sets of answers to quizzes.
Result 1:

Result 1:

darrens-mbp:java code rands$ java assignment4

Please type letter answers in caps, and true/false answers in lowercase

Witcher 3 The Wild Hunt Test:

1. Which author was this game based upon?

A) EL James

B) JK Rowling

C) Leo Tolstoy

D) Andrzej Sapkowski

E) Fyodor Dostoyevsky

D

Correct!

2. What is the name of the main character you play in Witcher?

A) Geralt of Rivia

B) Ciri

C) Yennefer

D) Triss Merigold

E) Dandelion

A

Correct!

3. Which two characters can you choose to romance in the game?

A) Ciri or Triss Merigold

B) Ciri or Yennefer

C) Yennefer or Triss Merigold

D) Yennefer or Philippa Eilhart

E) Keira Metz or Ciri

C

Correct!

4. Who is the final boss in Witcher 3?

A) Lady of the Lake

B) Eredin

C) Imlerith

D) Vesemir

E) Emhyr var Emreis

B

Correct!

What year was the Witcher 3 released?

2015

Correct!

The creators of the Witcher series also created Cyberpunk 2077. true or false?

true

Correct!

The company that made Witcher is called CD Projekt Red. true or false?

true

Correct!

There are multple story endings the player can achieve in Witcher 3

true

Correct!

Triss merigold has blonde hair. true or false?

false

Correct!

Ciri has white hair. True or false?

true

Correct!

You got question 1 correct

You got question 2 correct

You got question 3 correct

You got question 4 correct

You got question 5 correct

You got question 6 correct

You got question 7 correct

You got question 8 correct

You got question 9 correct

You got question 10 correct

Thank you for playing! Your total score was: 10/10

You are a true fan of the Witcher.

Result 2:

darrens-mbp:java code rands$ java assignment4

Please type letter answers in caps, and true/false answers in lowercase

Witcher 3 The Wild Hunt Test:

1. Which author was this game based upon?

A) EL James

B) JK Rowling

C) Leo Tolstoy

D) Andrzej Sapkowski

E) Fyodor Dostoyevsky

A

Incorrect! Correct answer is D

2. What is the name of the main character you play in Witcher?

A) Geralt of Rivia

B) Ciri

C) Yennefer

D) Triss Merigold

E) Dandelion

B

Incorrect! Correct answer is A

3. Which two characters can you choose to romance in the game?

A) Ciri or Triss Merigold

B) Ciri or Yennefer

C) Yennefer or Triss Merigold

D) Yennefer or Philippa Eilhart

E) Keira Metz or Ciri

A

Incorrect! Correct answer is C

4. Who is the final boss in Witcher 3?

A) Lady of the Lake

B) Eredin

C) Imlerith

D) Vesemir

E) Emhyr var Emreis

A

Incorrect! Correct answer is B

What year was the Witcher 3 released?

2014

Incorrect! Correct answer is 2015

The creators of the Witcher series also created Cyberpunk 2077. true or false?

false

Incorrect! Correct answer is True

The company that made Witcher is called CD Projekt Red. true or false?

false

Incorrect! The correct answer is true!

There are multple story endings the player can achieve in Witcher 3

false

Incorrect! The correct answer is true!

Triss merigold has blonde hair. true or false?

true

Incorrect! The correct answer is false. She has red hair!

Ciri has white hair. True or false?

false

Incorrect! The correct anwer is true!

You got question 1 incorrect

You got question 2 incorrect

You got question 3 incorrect

You got question 4 incorrect

You got question 5 incorrect

You got question 6 incorrect

You got question 7 incorrect

You got question 8 incorrect

You got question 9 incorrect

You got question 10 incorrect

Thank you for playing! Your total score was: 0/10

You are not a true fan of the Witcher.

2.2 Briefly explain your results for each set of answer.
For the first set, I got everything right and for the second second set, I got everything wrong. Code works.

Known Bugs or Issues:
If you have known bugs or issues with your code, let us know here. If you think it works correctly, justify why.

Only potential bug is if the user enters lower case letter answers or capitalized word answers or something else not other than an integer for questions that ask for an integer. But I specified at the beginning of the test to tell how the user should input their answers. So it's not really a bug. My code works correctly otherwise because I have ran many tests and the output was correct in terms of how many questions I got correct and whether it determined if I was a fan or not.