

COP1210C Lab 6

25 points

Who Wants to Be a Java Programmer? v.6

Arrays

File name: `javaGamev6.java`

- (3) Pseudocode
- (2) Add 1 more set of questions and answers. This question should come from the topics in Chapter 7.
- (2) Declare the following parallel arrays of size 10:

Note: A constant value can be used to declare the size of the arrays.

```
questionArray[]
answerA[]
answerB[]
answerC[]
answerD[]
correctAnswer[]
pointValue[]
```

- (4) Modify your for loop so that the data is stored into the above arrays when read from the file. Update your method calls as necessary.
- (1) Declare the following parallel arrays:

```
highNames[3]
highScores[3]
```

- (1) Modify your text file "highscore.txt" so that it includes three names and three scores.

Example data:

John 3
Jane 2
Joe 1

- (4) Modify the method `ReadHighScore()` so that it uses the following method header:

```
public static void ReadInHighScores(string[] name, int[] score)
```

This method should read in the three names and scores from the file.

The values should be stored in the parallel arrays `highNames` and `highScores`.

- (4) Modify the method `CompareScore()` so that it uses the following method header:

```
public static void CompareScores(int userScore, string userName,  
string[] name, int[] score)
```

This method should compare the user's score to the high score list. If the user scores higher than any of the scores in the list, rearrange the scores and corresponding names in the arrays as necessary.

- (3) Create the following method:

```
public static void UpdateHighScores(string[] highName, int[]  
highScore) should update the file "highscore.txt" with the scores  
and names in the arrays.
```

- (1) Include documentation in your code to explain the updates that were made to this version.