

Chapter 7 lab

Write a program to allow the user to take the written driver license exam. Assume that the questions are given to the user as a hard copy and the user needs to enter the answers into the system. As usual you need to create two java file

1. DriverLicense.java:

- a. Write a method that accepts an array of char for the answer key. This method fills in the array with the letters A, B, C, or D randomly.
- b. Write a method that accepts an array of char which will hold the user's answers. The user's input must be validated before being stored in the array. Therefore the method validate must be called in this method
- c. Write a method to display the result. This method will get the answer key array and the user's answers array as its parameters. This method compares the two arrays to find out the number of the questions answered wrong. Also this method displays the list of the questions that were answered wrong. This method also displays a message regarding the result of the test.
- d. Write a method to validate the user's input. This method accepts a String as its parameter. If the user's input is A, B, C, D, a,b,c,d return true, otherwise returns false

2. DriverLicenseDriver.java

- a. Main method: calls the method run
- b. Run method

While more people

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- i. Declare two arrays of Char with the size 10 called key and user
- ii. Call the proper method from the DriverLicense.java to fill the array with the key answers. Pass the array key to this method
- iii. Call the proper method from the DriverLicense.java to fill the array with the user's answers. Pass the array user to this method
- iv. Call the proper method from the DriverLicense.java to display the result of the test. You need to pass the two arrays to this method
- v. Ask if there is anyone else taking the test

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