Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class and Section \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Due: September 20, 2020, before the class**

**Project: Problem Description:**

CSCI 3033 Introduction to Java Programming Language

You get hired to write a program to the local Driver’s License Office. The driver’s license office needs you to write a program that grades the written portion of the driver’s license exam. The exam has 20 multiple-choice questions.

Here are the correct answers:

1. B
2. D
3. A
4. A
5. C
6. A
7. B
8. A
9. C
10. D
11. B
12. C
13. D
14. A
15. D
16. C
17. C
18. B
19. D
20. A

A student must correctly answer 17 (use a constant to hold the number 17) of the 20 questions to pass the exam.

Write a Java program named *DriverExam\_YourLastName* that holds the correct answers to the exam in an array keyAnswers **use an array initializer**.

The program should also have an array variable that holds the student’s answers. The program should have the following public static methods:

***Passed (char[] Answer, char[] Key)***. Returns true if the student passed the exam, or false if the student failed

***totalCorrect(char[] Answer, char[] Key)***. Returns the total number of correctly answered questions

***totalIncorrect(char[] Answer, char[] Key)***. Returns the total number of incorrectly answered questions

***questionsMissed(char[] Answer, char[] Key)***. Return an int array containing the question numbers of the questions that the student missed

Demonstrate the program in a complete main program that asks the user to enter a student’s answers, and then displays the results returned from the methods.

Use Input Validation: Only accept the letters A, B, C, or D as answers

The output should first display if student pass or fail

In the second line, the output display number of the correct answer and the number of incorrect answers.

In the last line, the output should display the list of the questions that the student missed