

CPSC1012 Object Problems- 1

Test your understanding of this material by answering the following questions by coding each of the questions:

1. Create a Student class based on the following UML diagram:

Student
- firstName: String - lastName: String - studentID: Integer + FirstName: String + LastName: String + StudentID: Integer
+ Student() + Student(FirstName: String, LastName: String, StudentID: Integer) + GetFullName(): String

The GetFullName() method returns the full student name in the following format:

LastName, FirstName

2. Create a program that makes use of the Student class created in question 1 above. The program should allow the user to enter up to 25 students and display a class roster (create an array of type Student). Use a menu of options to allow the user to choose either to enter a student's information, to view the report, or to quit. The roster should be formatted as follows:

Id	Last Name	First Name
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1	Doe	Jane
2	Anne	Sally

Total Students: 2

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C:\DMIT_New\CPSC1012\Lessons\09_OOP\ObjectProblems1\bin\Debug\ObjectProblems1.exe

Select from the following options
    1. Enter Student information
    2. View Report
    3. Quit
Option: 1
Enter first name: Bob
Enter last name: Marley
Enter student ID: 1

Select from the following options
    1. Enter Student information
    2. View Report
    3. Quit
Option: 1
Enter first name: Sally
Enter last name: Anne
Enter student ID: 2

Select from the following options
    1. Enter Student information
    2. View Report
    3. Quit
Option: 1
Enter first name: Jane
Enter last name: Doe
Enter student ID: 3

Select from the following options
    1. Enter Student information
    2. View Report
    3. Quit
Option: 2
Id          Last Name      FirstName
1           Marley        Bob
2           Anne          Sally
3           Doe           Jane

Total Students: 3

Select from the following options
    1. Enter Student information
    2. View Report
    3. Quit
Option: 3
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