

Recitation I Practice

Follow the directions below.

1. Log into your AWS server.
2. Make a directory named **csci102** (if you haven't created it previously).
3. Change your working directory to your **csci102** directory.
4. Make a directory named **r1** in your **csci102** directory.
5. Change your working directory to your **csci102/r1** directory.
6. In your **csci102/r1** directory, create a class in a file named **Student.java** and a driver in a class named **Driver.java** that satisfy the Program Requirements shown below.

Program Requirements

Student.java

- Student.java should contain a class named **Student** that models a student. The class should have a constructor that takes three Strings as arguments that are used to store the first, middle, and last names of the student, respectively. The constructor should allow null for a middle name, but not for the first and last names.
- The class should have getters and setters for the student's first, middle, and last names.
- The class should have a method named **register** which takes an integer as an argument and sets a field named **studentID** equal to the integer passed in if the value of the integer is greater than 0, otherwise it sets it to **-1** to indicate that the **studentID** field has not been set.
- The class should have a String field named **major** along with a setter and getter for the field. The default value for the field should be "**Undecided**". The setter should not allow a null value for the field.
- The class should override the **toString** method and return a string containing a *well formatted* string containing the instance's first, middle, and last names as well as their student ID and major.

Driver.java

Write a program that creates multiple instances of the Student class and thoroughly tests the methods in the Student class.