CSC 116 – 002 In-class Exercise # 7

Name: _____Solution_____ Unity ID: _____ Lab: _____

Below that is a class called CSC116Section002. The Student class is displayed on the projector. You are going to create a partially filled array of Students for the CSC116Section002 class. There are 95 students in the class. Please complete the addStudent method. In the main method of the CSC116Section002 class please add yourself as the first student in the class using the addStudent method.

```java
/**
 * Complete this class!
 */
public class CSC116Section002 {
   //declare an array of students and a counter

   private Student [] students;

   private int counter;

   public CSC116Section002() {
      //initilize your student array and counter

      students = new Student[95];

      counter = 0;
   }

   public void addStudent(Student newStudent) {
      //Test to see if there is room in the array

      if( counter < students.length )
         //add student to array

         students[counter] = newStudent;

         counter++;
      }
   }

   public static void main(String [] args) {
      //Create a new CSC116Section002 Object

      CSC116Section002 myClass = new CSC116Section002();

      //Create a new student

      Student me = new Student("Sarah", 201);

      //Add student to the array

      myClass.addStudent(me);
   }
}
```