Student Enrollment Tracker

Create a class called Student that has:

* a few properties, for example, first name, last name and grade
* a **constructor** that takes parameters and can initialize the properties
* **getter** and **setter** function that can be used to access and modify the properties

In main( ), create a vector Student objects and do the following:

* in a loop take input from uses and use the input to create Student objects
* add the Student objects to the vector, recall the push\_back function, for example: enrolledStudents.push\_back(student)
* in a second loop use the getters to print information about each student

**Code guidelines:**

* **Good style:** Use proper indentation, good naming conventions and break code up into small functions that do one thing each.
* **Usability:** Always prompt the user for input so they know what to do and provide meaningful output messages.
* **Input Validation:** The program should not accept invalid input, prompt the user to reenter an input that is invalid.
* **Documentation:** Add a comments that document what each part of your code does, at a minimum each function should be clearly documented by describing the expected argument values and what the function returns.
* **Testing:** Make sure your code compiles and works.

| **ID** | **Goal** | **Goal Set Name** | **Category** |
| --- | --- | --- | --- |
| CIS\_161\_CC\_05\_06 | CIS\_161\_CC\_05\_06: Demonstrate appropriate use of header and source files | Computer Information Systems, Mobile Development Technology, Data Science (CIS, CSC, DAT, INF, MDT) | CIS 161 |
| CIS\_161\_CC\_05\_04 | CIS\_161\_CC\_05\_04: Illustrate the use of the “public”, “protected” and “private” keywords | Computer Information Systems, Mobile Development Technology, Data Science (CIS, CSC, DAT, INF, MDT) | CIS 161 |
| CIS\_161\_CC\_05\_03 | CIS\_161\_CC\_05\_03: Write a class and declare an object | Computer Information Systems, Mobile Development Technology, Data Science (CIS, CSC, DAT, INF, MDT) | CIS 161 |