

COSC 251 – Lab #3

C++ is for PAIN

Purpose: Practice building a quick class and then use it!

Task: Using C++, create a class called Student that will have the following:

- * Private fields for an id (integer), gpa (float) and grades (an integer pointer).
- * A default Constructor that will set the id and gpa to arbitrary numbers as well as creating a 10 element array which grades will point to.
- * A Constructor that will take in an integer for id and a float for gpa. It will also create the 10 element array like the default Constructor.
- * A Destructor.
- * A function that will ask for 10 grades to be put into the grade array.

You will also create a driver that will create three instances of Student, one using the default constructor, one using the non-default constructor and one using a pointer. You should call the extra function using the pointer referenced instance of Student.

Deliverable: the header and cpp files that contains your source. It should be well commented.

Due: By the start of class Monday. No exceptions. To be turned in via Digital Dropbox.