CPSC 2430 Fall 2021 Lab #0
Sept 24, 2021

Lab#0 is a warmup to C++, with a focus on variable allocation and IO.

DO NOT worry if you do not complete all steps -- 2430 students have different backgrounds and will work at different paces. The goal is to make sure that you can compile your code and that you can submit it using the cs1 script.

Submit your program when you're done using the instructions in step 6. Note that the file must compile (but not necessarily work) to be accepted. It is suggested that you compile and test your program after each step.

DO NOT USE the class construct or vectors.

Follow these steps:

1) Create a file called **lab0.cpp**

2) Write the skeletal main routine, which should look something like:

```
// Lastname, Firstname
// lab0.cpp
// 01/08/21

#include <iostream>

using namespace std;

int main()
{
   cout << "Welcome message" << endl;
   int arr[10];
   …
   cout << endl << "End of Lab 0 Program" << endl;

   return 0;
}
```

3) Write the code needed to accept integer input from the keyboard until **10** numbers have been stored in the static array *arr*. Since this is a static array, you don't have to use pointers or the "new" operator). Use "cout" and "cin" to handle user input and output.

4) Output the **values** along with the array **index** for each.

Example:
#1: 32
#2: -4
#3: 58
⋮

5) Write a function that returns the **maximum value** stored in the array and call the function from main, printing the value returned in main.

6) Submit your program by running the following script in the directory with your program:

```
/home/fac/hkong/submit/cpsc2430/submit_lab0
```