

Lab 05 - Arrays

Direction: Submit your typed work(s) as an upload(s) to the Labs directory of your GitHub repository or Dropbox, or in your correct Lab04 google classroom assignment. Each part should be a separate files. The files named should be "lab5A.cpp" and "lab5B.cpp" respectively.

Part A: In class

Your objective is to write the definition of the function `LastSearch()` whose header is

```
int LastSearch(const double data[],double target)
```

Given that *data* has a size of 5, the function returns the index of the last element of *data* that equals *target*. If no element equals *target*, it returns -1. For instance, if *data* = [1.0, 2.0, 4.0, 2.0, 4.0] and *target* = 4.0, the function will return 4. You cannot use a loop.

Part B: Take home

Your objective is to write the definition of the function `Range()` whose header is

```
int Range(const int data[])
```

Given that *data* has a size of 5, the function returns the distance between the maximum and minimum values of *data*. For instance, if *data* = [3, 5, 6, 1, 2], the function will return 5. You cannot use a loop.