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 `FirstSearch()` whose header is

$$\texttt{int FirstSearch(const double data[],double target)}$$

Given that *data* has a size of 5, the function returns the index of the first 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 2. You cannot use a loop.

Part B: Take home

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

$$\texttt{int Range(const int data[])}$$

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.