

Lab 06 - Loops

Direction: Submit your typed work(s) as an upload(s) to the Labs directory of your GitHub repository or Dropbox, or in your correct Lab06 google classroom assignment. Each part should be a separate files. The files named should be "lab6A.cpp" and "lab6B.cpp" respectively.

Part A: In class

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

```
int Minimum(const int data[],int n)
```

Given that n represents the size of `data`, the function returns the minimum value of `data`. For instance, if `data` = [1, 2, 4, 3, 2, 6, 5] then $n = 7$ and the function will return 1.

Part B: Take home

Your objective is to write the definition of the following functions

- a. Write the definition of the function `LCM()` whose header is

```
int LCM(int m,int n)
```

It returns the least common multiple (LCM) of the absolute values of m and n .

- b. Write the definition of the function `ToLowercase()` whose header is

```
string ToLowercase(const string str)
```

It returns a copy of `str` with all the letters in lowercase. For instance, the function call `ToLowercase("PiZZa1")` will return "pizza1".