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 `Sigma()` whose header is

```
int Sigma(int n)
```

   It returns the sum of the factors of the absolute value of n. For instance, the function call `Sigma(24)` will return 60.

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"`.