

CS111 Homework 6 (Due Dec 12, 2018)

Name your program **hw6.cpp**. Program must be able to compile or you will **NOT** get any point for the assignment.

Run the following command in venus to copy the starter code:

```
cp ~ctse/cs111/hw6.cpp ~/hwSubmission/
```

Write 3 functions:

- **toUpperCase** converts all the characters in the given String to upper case.

Note: Do not use `toupper` or `tolower` functions. Use character arithmetic learned from Dr. Ryba' lecture.

For example:

<http://venus.cs.qc.edu/~ctse/111/cs111/codes/charArith.cpp>

- **toLowerCase** converts all the characters in the given String to lower case.
- **equals** determines if both strings are the same.

Program asks user to input two strings in main ().

Then, it will display them in uppercase and lowercase values.

Finally, it will check and see if both strings are equal.

Sample I/O #1

```
Please enter two words: hello hello
Words in uppercase: HELLO HELLO
Words in lowercase: hello hello
Both strings are equal.
```

Sample I/O #2

```
Please enter two words: Hello[] hello[]
Words in uppercase: HELLO[] HELLO[]
Words in lowercase: hello[] hello[]
The input strings are different.
```

Sample I/O #3

```
Please enter two words: 333 333
Words in uppercase: 333 333
Words in lowercase: 333 333
Both strings are equal.
```