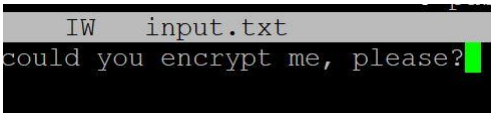
CS1580 Lab 11

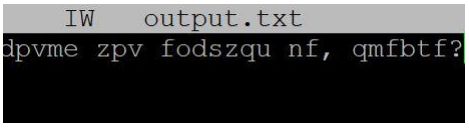
Assignment

In this assignment, you will read in data from input file and encrypt it using the Caesar cipher and store the encrypted data in the output file.

- The input file is in canvas.
- Download it and copy it to the folder lab11.
- After encrypting, the string must be copied into a file named output.txt
- While submitting make sure all three files are included.

Sample output:





- Char ceaserCipher(char data, int shift) – if the data is an alphabet then encrypt it. Else, don't make any changes. Return the data.

Note: You don't have to split the code into multiple files.

Hints:

- **Caesar cipher** is a basic letters substitution algorithm. It takes as input a message, and apply to every letter a particular shift.
- Include <fstream> and <cstring>

How to get full points:

1. Fill out all the information in the program header, i.e.

```
// Programmer:          <Your Name here>
// MST Username:        <Your MST Username here>
// Instructor Name:     <Your Instructor's here>
// Section:             <Your Section>
// Date:                <Today's date>
// File:                <Name of your cpp file>
// Purpose:             <Description of what your program
                        does>
```

2. The contents of the main function are indented 2 spaces
3. Curly braces { and } go on their own lines
4. Use meaningful variable names
5. Write comments where it is needed
6. Program compiles and runs correctly
7. You submit your program correctly