



Spring 2021

Assignment III

Instructions:

- Read the following scenario carefully before performing the given tasks
- You can use [Google](#) if you need to (although it's likely that you won't have to)
- **Don't** share your solutions with each other
- Use comments to explain your code wherever applicable

Submission:

- You'll need to submit a text file containing your program along with .cpp
- Before submission, rename your files as your ID e.g. **k201234.docx** and **k201234.cpp**
- **Deadline:** Saturday, 22nd of May, 2021 (02:00 pm)
- To be submitted on Google Classroom (code: beq77yg)

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- For the following task, you need to create two text files, namely, **input.txt** and **deifiniaz.txt**.
 - **input.txt** should contain some arbitrary text, comprising letters and digits
 - **deifiniaz.txt** should initially be empty. This file is going to store the output of your program

Task to be performed:

Write a program that reads the contents of file **input.txt**, encrypts its contents and save the modified text to your output file i.e. **deifiniaz.txt**.

The encryption should be done according to these rules:

"Every digit should be converted to a capital letter in a way that digits are treated as sequence number of the alphabets e.g. 1 should become A, 2 should become B, 5 should become E, 11 should become K. Every digit less than 1 or greater than 26 should be converted to the letter Z."

Sample Input (input.txt):

Hello this t3xt is 4 the 1st try 25

Output (deifiniaz.txt):

CDAY

Note: This sample input is only for reference. Your program should work for any text given as input.