Introduction to Computing Laboratory
Assignment No. – 12

1. Write a program in C that can count the number of characters, words and lines present in a text file.

2. Write a program in C that can encrypt and decrypt a file by changing all the characters of the file in the following manner. Write functions for both encryption and decryption.

   Encryption: Replace each character by another that is three places up in the stream

   (ca→fdw).

   Decryption: Replace each character by another that is three places down in the stream

   (fdw→cat).

3. Write a program in C to copy the contents of a text file into another.

4. Modify program 3 to copy one existing file (source file, say **file1.txt**) into another named file (destination file, say **file2.txt**) such that both the file names will be taken as input through **command line arguments**.

   Example: $./a.out file1.txt file2.txt

   Here, the contents of file1.txt have to be copied to file2.txt.