

LAB ASSIGNMENT 1

1) Write C/C++/Python/JAVA program to implement Caesar cipher substitution technique.

Algorithm:

STEP-1: Read the plain text from the user.

STEP-2: Read the key value from the user.

STEP-3: If the key is positive then encrypt the text by adding the key with each character in the plain text.

STEP-4: Else subtract the key from the plain text.

STEP-5: Display the cipher text obtained above.

Input:

I LOVE MY INDIA

Expected Output:

L ORYH PB LQGLO

2) Write a C/C++/Python/JAVA program to implement monoalphabetic cipher substitution technique. Consider following cipher for encryption.

Plain: abcdefghijklmnopqrstuvwxyz

Cipher: DKVQFIBJWPESCXHTMYAUOLRGZN

Input:

Plaintext: I LOVE MY INDIA

Expected Output:

Ciphertext: W SHLF CZ WXQWD