

### LAB ASSIGNMENT 3

1) Write C/C++/Python/JAVA program to implement Playfair cipher substitution technique. Write down code for both encryption and decryption.

**1) Encryption:**

**Input:**

**Plaintext:** I love my country

**Rows:** 3

**Expected Output:**

IEORLVMCUTYOYN

**2) Decryption:**

**Input:**

**Ciphertext:** IEORLVMCUTYOYN

**Rows:** 3

**Expected Output:**

I love my country

2) Write a C/C++/Python/JAVA program to implment row transposi. Consider following information for encipherment.

Plaintext: Attack postponed until two am

Columns: 7

Key: 4 3 1 2 5 6 7

**Expected Output:**

Ciphertext: APTMTTNAAODWTSUOCOIXKNLYPETZ