Department of Computer Science and Engineering - SVNIT,Surat
Course: Principles of Information Security and Privacy (CS607)
Lab Assignment #3

Part A
1. Write C code for implementing a Caesar Cipher in which plain text must be fetched from the file and cipher text will be stored in separate file. Also perform following actions.
   a. Perform brut force attack on generated cipher text.
   b. Perform frequency analysis and try to decrypt the cipher text.
2. Write C code for implementing a Rail fence cipher.
3. Write C code for implementing a Playfair cipher.

Part B
4. Write C code for implementing a Hill cipher.
5. Write C code for implementing a Vigenère cipher.
6. Write C code for implementing a Vernam Cipher.