

Lab Experiment -1

1. Write a python program to read a Hex file and convert it to a decimal file.
2. Write a python program that implement Caesar cipher.

Lab Assignment:

Total Mark (with Viva)=50

1. Write a python program that implements the Vigenere polyalphabetic cipher for English text. Your cipher should distinguish lowercase and uppercase letters (i.e. a letter should be encrypted differently based on if it is uppercase or lowercase). In your cipher, the encryption key, plaintext and the cipher-text should be composed of lowercase and uppercase letters. Your program should read the input from a file called 'input.txt' and write to a file called 'output.txt'. It should read the encryption key from a file called 'key.txt'.

Bonus Mark=5 (Optional)

Write a python program that will read the 'output.txt' and 'key.txt' and find the corresponding plaintext.