

LAB - 02

Perform the following questions on SEED lab:

- 1. Create and display a file SRN.txt with following contents:**

EXCITED ABOUT HIS NEWLY-EARNED POWERS, MIDAS STARTED TOUCHING every surrounding objects like stones, grass, trees and cart, TURNING EACH ITEM INTO PURE GOLD. BUT SOON, MIDAS BECAME HUNGRY. AS HE PICKED UP A PIECE OF FOOD, HE FOUND HE COULD NOT EAT IT. IT HAD TURNED TO GOLD IN HIS HAND.

- 2. In file SRN.txt, convert uppercase letters to lowercase and find the frequencies of following words:**

- a. he
- b. h
- c. ed
- d. oo
- e. a
- f. as

- 3. Highlight the words given in question 2.**
- 4. Generate the substitution cipher key.**
- 5. Generate the cipher text using the key generated in question 3.**
- 6. Decrypt the cipher text back to plain text.**
- 7. Suppose the input file is :**

Hungry, Midas groaned, "I'll starve! Perhaps this was not such an excellent wish after all!"...

Comment on the cipher text generated.