CS460: Secure Communication
Winter 2018

Assignment # 1

Exercise # 1:

Write a program that can encrypt and decrypt using the general Caesar cipher, FairPlay and Vigenère cipher.

Exercise # 2:

Write a program that can perform a letter frequency attack on any monoalphabetic substitution cipher without human intervention. Your software should produce possible plaintexts in rough order of likelihood. It would be good if your user interface allowed the user to specify "give me the top 5 possible plaintexts."