

Fall 2026 CIS 3362 Homework #2: Substitution Cipher, Vigenere
Due: Check WebCourses for the due date.

1) Decode the following message, which was encrypted using the substitution cipher. Make sure to discuss all the steps you took, the key you arrived at, and the decoded message.

hstduespudulsvasnxoqmpkocochknpenlsesbnttoqtuyshopkdazwpuman
wkzoasesevsacwsqloqmphukuracuqvasnxoqmncrvcpoprpoqdowksabut
tuhogmcsysanthauqmtslnlcnqlmsspogmquhksaspksqurpubpksvtrsoch
hualcnwwsnaophnctoxsenmodpksqowtnzslnvurppsgeoqrpscubhksstub
buaprqsnglknlduewtspstzdandxslpksdulscrdkocpksqnprasubdulsva
snxoqmenqzhaugmpraqctopptwaumasccnqlpksqkuwsbrttzntrdxzvasnx

2) Decode the following message, which was encrypted using the substitution cipher. Make sure to discuss all the steps you took, the key you arrived at, and the decoded message.

Here is the ciphertext:

zapbtslcllsjrwgrbstcogtsvvgrcisbbigbpgcbzapargazuaylmgkszskc
iiufylbbtgmgplarxtanpgcdlbtgkavgzaprywngpbtppggzsplbcrvzaiiax
lbtgsrlbpykbsarlbtcpcpgjsogrsrbtcbwgllcjgsylgvbatsvgbtglgbts
rjlciiaogpbtgmickggograzzkcwmylnybsrwuaivcjsogjabbriceucrv
raxcvculfylbtsgbtsrjlsrbtgtgknyisvrsjlsblgclsgpzapuayciiclxg
iinybtamgyyiiughyciizyrclvsjjrsrjrbtgvspbbaanbcsruaypbpgcb

3) Decode the following message, which was encrypted using the Vigenere cipher. Make sure to discuss all the steps you took, the key you arrived at, and the decoded message.

jbqfbwlzidnmseyivshvsdpgammzdygybxwjeyegovqsabbxkfsgmwoxkwpwn
wllargbymkwsflsqgynkmgzyhohghgmvbamirxnvbmxxwvbtlbfnprhjxagr
gcmmulqaaiuajlhcseqhlnmxzawqhwrlxdgbnjsuirtatjeoevepkwinumafj
cnhezawabnbawqlorpmfvsjtvdttdshkwaylgeqnpjienkhkllruwteegzvzl
lqshpqlwiymnymjwikmqnrkcauxvaxcbnwppdnprwsgjxbbaytfqsmxzwbro
qspkhlrkrwsxubbidqhmaoidgtrpqtsoicemvwsxuheyzyvwhcygsqeccv

In addition to describing your entire process, please include as attachments any code you used (c, cpp, java, py). A good portion of the grade is based on the description of the process and not getting the correct decrypt.