IT\_120\_Module 5\_Lab\_4

<https://www.boxentriq.com/code-breaking/caesar-cipher#tool> this is the website I used

Exercise 1: Caesar Cipher

1. Encrypt the message MATH with the Caesar cipher with 4 as the key.

QEXL

1. Encrypt the message CRYPTO with the Caesar cipher with 6 as the key.

IXEVZU

1. The message QIIX PEXIV was encrypted using the Caesar cipher with 4 as the key. Decrypt the message.

MEET LATER

4. The message SKKZ NKXK was encrypted using a Caesar cipher. Decrypt the message.

MEET HERE- THE KEY IS 20

<https://www.boxentriq.com/code-breaking/vigenere-cipher>

Exercise 2: Vignere cipher `

1. Encrypt FOLLO WTHEY ELLOW BRICK ROAD with the keyword OZ.

TNZKC VHGSX SKZNK AFHQJ FNOC

2. Decrypt LOSVW AZBSH DHQID ARSLG EL, encrypted with the Vignere cipher using SHOES as a key

THERE IS NO PLACE LIKE HOME

<https://www.boxentriq.com/code-breaking/caesar-cipher#tool>

Exercise 3: Breaking the Caesar Cipher

1. Decrypt the message encrypted with a Caesar cipher: PAXG LAHNEW B KXMNKG

WHEN SHOULD I RETURN- KEY=7

1. Decrypt the message encrypted with a Caesar cipher: QUCN ZIL U JBIHY WUFF

WAIT FOR A PHONE CALL- KEY=6

3. Decrypt the message encrypted with a Caesar cipher: GUR ENOOVG PENJYRQ BHG BS VGF UBYR

THE RABBIT CRAWLED OUT OF ITS HOLE- KEY=13

4. Decrypt the message encrypted with a Caesar cipher:

MAXLX TKXGM MAXWK HBWLR HNKXE HHDBG ZYHKTHESE AREN’T THE DROIDS YOURE LOOKING FOR-KEY=7

<https://www.boxentriq.com/code-breaking/vigenere-cipher>

Exercise 4: Breaking the Vignere Cipher `

1. Decrypt the following message, which was encrypted with a Vignere cipher of length 4: `

BCRRBCQORHKEPSLSLCWRWXXDESPEZMPYQWCEBCBOSFHCIZHSQWVHCBRWRVLNEGDRCKRRQS.

door do not there is no try judge me by my size do you reckless is he now things are worse-KEY=YODA

2. Decrypt the following message, which was encrypted with a Vignere cipher of length 4: `

KBPYU BACDM LRQNM GOMLG VETQV PXUQZ LRZNM GOMLG VETQV PXYIM HDYQL BQUBR

it was the best of times it was the worst of times it was the age of wisdom it-KEY=CITY

YILRJ MTEGW YDQWE GUPGC UABRY ILRJM XNQKA MHJXJ KMYGV ETQVP XCRWV FQNBL

was the age of foolishness it was the epoch of belief it was the epoch of incredulity-KEY=CITY

EZXBW TBRAQ MUCAM FGAXY UWGMH TBEJB BRYIL RJMLC CAHLQ NWYTS GCUAB RYILR

credulity it was the season of light it was the season of darkness it wasn’t

-KEY=CITY

JMLNT QGEQN AMRMB RYILR JMPGP BXPQN WCUXT GT

he springs of hope it was the winter of despair- KEY=CITY

Exercise 5

Use what you know to decrypt the following message. Note, the original word spacing is intact:

LKZB RMLK X JFAKFDEQ AOBXOV TEFIB F MLKABOBA TBXH XKA TBXOV LSBO JXKV X NRXFKQ

XKA ZROFLRP SLIRJB LC CLODLQQBK ILOB TEFIB F KLAABA KBXOIV KXMMFKD PRAABKIV

QEBOB ZXJB X QXMMFKD XP LC PLJB LKB DBKQIV OXMMFKD OXMMFKD XQ JV ZEXJYBO

ALLO Q FP PLJB SFPFQBO F JRQQBOBA QXMMFKD XQ JV ZEXJYBO ALLO LKIV QEFP XKA KLQEFKD JLOB

Exercise 5

Once upon a midnight dreary, while I pondered, weak and weary, Over many a quaint and curious

volume of forgotten lore, While I nodded, nearly napping, suddenly there came a tapping, As of some

one gently rapping, rapping at my chamber door. ’Tis some visitor, I muttered, tapping at my chamber

door – Only this, and nothing more.

-KEY=XXXX