IT_120_Module 5_Lab_4_DeanRay

Exercise 1: Caesar Cipher

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

A: QEXL

Encrypted with https://www.xarg.org/tools/caesar-cipher/

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

A:IXEVZU

Encrypted with https://www.xarg.org/tools/caesar-cipher/

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

A: MEET LATER

Decrypted with https://www.boxentriq.com/code-breaking/keyed-caesar-cipher
*Had to find new tool that would now decrypt

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

A: MEET HERE

Decrypted with https://www.boxentriq.com/code-breaking/keyed-caesar-cipher using key #6

Exercise 2: Vignere cipher `

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

A: TNZKC VHGSX SKZNK AFHQJ FNOC

Encrypted with https://cryptii.com/pipes/vigenere-cipher

*Had to find a new website that would do vigenere

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

A: THERE ISNOP LACEL IKEHO ME

Decrypted with https://cryptii.com/pipes/vigenere-cipher

Exercise 3: Breaking the Caesar Cipher

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

A: WHEN SHOULD I RETURN

Decrypted with https://www.boxentriq.com/code-breaking/keyed-caesar-cipher using key #19

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

A: WAIT FOR A PHONE CALL

Decrypted with https://www.boxentriq.com/code-breaking/keyed-caesar-cipher using key #20

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

A: THE RABBIT CRAWLED OUT OF ITS HOLE

Decrypted with https://www.boxentriq.com/code-breaking/keyed-caesar-cipher using key #13

4. Decrypt the message encrypted with a Caesar cipher:

MAXLX TKXGM MAXWK HBWLR HNKXE HHDBG ZYHK

A: THESE ARENT THEDR OIDSY OUREL OOKIN GFOR

*Decoded from there to: THESE ARENT THE DROIDS YOURE LOOKING FOR

Decrypted with https://www.boxentriq.com/code-breaking/keyed-caesar-cipher with key #19

Exercise 4: Breaking the Vignere Cipher `

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

BCRRBCQORHKEPSLSLCWRWXXDESPEZMPYQWCEBCBOSFHCIZHSQWVHCBRWR VLNEGDRCKRRQS.

A:

DOORDONOTTHEREISNOTRYJUDGEMEBYMYSIZEDOYOURECKLESSISHENOWTHI NGSAREWORSE

Decoded from there to:

DO OR DO NOT ,THERE IS NO TRY, JUDGE ME BY MY SIZE DO YOU, RECKLESS IS HE, NOW THINGS ARE WORSE

Decrypted with

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

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

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

JMLNT QGEQN AMRMB RYILR JMPGP BXPQN WCUXT GT

A: ITWAS THEBE STOFT IMESI TWAST HEWOR STXFT IMESI TWAST HEAGE OFWIS DOMIT

WASTH EAGEO FFOOL ISHNE SSITW ASTHE EPOCH OFBEL IEFIT WASTH EEPOC HOFIN

CREDU LITYI TWAST HESEA SONOF LIGHT ITWAS THESE ASONO FDARK NESSI TWAST

HESPR INGOF HOPEI TWAST HEWIN TEROF DESPA IR

Decoded to: IT WAS THE BEST OF TIMES IT WAS THE WORST OF TIMES IT WAS THE AGE OF WISDOM IT

WAS THE AGE OF FOOLISHNESS IT WAS THE EPOCH OF BELIEF IT WAS THE EPOCH OF INCREDULITY

IT WAS THE SEA SON OF LIGHT IT WAS THESE AS ON OF DARKNESS IT WAS THE

SPRING OF HOPE I TWAST HE WINTER OF DESPAIR

Decrypted with

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

A: 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 T IS SOME VISITER I MUTTERED TAPPING AT MY CHAMBER DOOR ONLY THIS AND NOTHING MORE

Decoded with Caesar cipher using https://www.boxentriq.com/code-breaking/keyed-caesar-cipher

The challenge here for me was figuring out whether I should try Caeser or vignere.