IT\_120\_Module 5\_Lab\_4

Exercise 1: Caesar Cipher

1. Answer: QEXL

2. Answer: IXEVZU

3. Answer: MEET LATER

4. Answer: MEET HERE

Source: <https://www.scientificamerican.com/article/crack-the-code-make-a-caesar-cipher/>

For each letter, move X number places forward to encrypt. Move X number of spaces backward to decrypt. (If no key, guess?)

Exercise 2: Vignere cipher

1. Answer: TNZKC VHGSX SKZNK AFHQJ FNOC

2. Answer: DVGZO SGPWZ VOEMV SYGPY WS

Source: <https://www.geeksforgeeks.org/vigenere-cipher/>

Using vigenere square (found in the source website), match the first letter of the plaintext with the first letter of the key. If Key is shorter than plaintext reuse the key until all plaintext is encrypted.

Exercise 3: Breaking the Caesar Cipher

1. Answer: WHEN SHOULD I RETURN

2. Answer: WAIT FOR A PHONE CALL

3. Answer: THE RABBIT CRAWLED OUT OF ITS HOLE

4. Answer: THESE AREN'T THE DROIDS YOU'RE LOOKING FOR

I had a difficult time because I had to guess a lot without a key until I found something that made some sense.

Exercise 4

1. Answer: DO OR DO NOT – THERE IS NO TRY. JUDGE ME BY SIZE DO YOU? RECKLESS IS HE. NOW THINGS ARE WORSE.

2. Answer: 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 SEASON OF LIGHT, IT WAS THE SEASON OF

DARKNESS, IT WAS THE SPRING OF HOPE, IT WAS THE WINTER OF DESPAIR.

This one was harder because this is already more difficult than the caesar cypher, but without

a keyword it was very hard.

Exercise 5

ANSWER:

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.

I really couldn’t even figure this one out. I figured some out, but I gave up when I realized it wasn’t right.