IT_120_Module 5_Lab_4

<div align="center">Exercise 1: Caesar Cipher</div>

1. Encrypt the message MATH with the Caesar cipher with 4 as the key.
 Answer: QEXL
I have got this answer by using a caesar cipher generator I just typed in math and it generated the answer for me.
I did not have any trouble with this problem.
https://crypto.interactive-maths.com/caesar-shift-cipher.html

2. Encrypt the message CRYPTO with the Caesar cipher with 6 as the key.
Answer: IXEVZU
I have got this answer by using a caesar cipher generator. I just typed in crypto and chose 6 as the key and it generated the answer for me.
I did not have any trouble with this answer. It was easy.
https://crypto.interactive-maths.com/caesar-shift-cipher.html

3. The message QIIX PEXIV was encrypted using the Caesar cipher with 4 as the key. Decrypt the message.
Answer: meet later
I have got this answer by using a caesar cipher generator I just typed in QIIX PEXIV and Put 4 as the key and pressed decrypt and it generated the answer for me.

At first I got the answer wrong because I forgot to change the key as 4 and I was confused. After I read the instructions again and got it right.
https://crypto.interactive-maths.com/caesar-shift-cipher.html

4. The message SKKZ NKXK was encrypted using a Caesar cipher. Decrypt the message.
Answer: meet here

I have put in the code SKKZ NKXK in the generator and changed the number to 6 as the key.

I had a problem with getting the right answer at first because I thought that I was supposed to use the same number key as in the first question. I changed the number to 6 and that's when I got the right answer.
https://crypto.interactive-maths.com/caesar-shift-cipher.html

<div align="center">Exercise 2: Vignere cipher `</div>

1. Encrypt FOLLO WTHEY ELLOW BRICK ROAD with the keyword OZ.
Answer: TNZKC VHGSX SKZNK AFHQJ FNOC

I typed OZ as the key and I pasted the code that is in the question, then I pressed encrypt. The generator gave me the answer in the second box.

I had a problem with this question because the first website that I used won't give me the answer if I typed OZ as the key. I changed to another website and it worked out fine.

Website: https://crypto.interactive-maths.com/vigenegravere-cipher.html

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

                        Exercise 3: Breaking the Caesar Cipher
1. Decrypt the message encrypted with a Caesar cipher: PAXG LAHNEW B KXMNKG
Answer: WHEN SHOULD I RETURN

The first step was I just put the code in the encrypt box and set the key on 5 and encrypted the code and I got the right answer.

I had a problem at first because of the key, then I started to change the numbers until I got the right answer.

website : https://crypto.interactive-maths.com/vigenegravere-cipher.html

2. Decrypt the message encrypted with a Caesar cipher: QUCN ZIL U JBIHY WUFF
Answer: WAIT FOR A PHONE CALL

The first step was I typed in the message that is asked to be decrypted, then I switched it to decode instead of encode. After that I switched the shift key to 4 from A to E and he decrypted the message for me.

At first I had trouble with finding the answer but I kept searching through the website until I found the right caesar cipher machine.

Website: **https://cryptii.com/pipes/caesar-cipher**

3. Decrypt the message encrypted with a Caesar cipher: GUR ENOOVG PENJYRQ BHG BS VGF UBYR
Answer: THE RABBIT CRAWLED OUT OF ITS HOLE

The first thing I did was, I put the message in the cipher area then I kept changing through the Key numbers so I can know which key I need to decrypt the message until I found the key which

is key 117.

I only had a small problem because I had to try a lot of key numbers to decrypt the code.

Website: https://cryptii.com/pipes/caesar-cipher

4. Decrypt the message encrypted with a Caesar cipher:
MAXLX TKXGM MAXWK HBWLR HNKXE HHDBG ZYHK

Answer: These arent the droids youre looking for.

The first step was i put in the message and clicked through the key numbers until i got the right answer.

I had no trouble i just had to wait until the right answer came.

https://cryptii.com/pipes/caesar-cipher