

1. What are the most challenging aspects of the coursework task?

Ans: Like last time there were many challenges for this coursework which has also made me realize how many different ways we can use python for. This was also a completely different type of program that we needed to do. After completing the program when I tried to run the program, it was showing invalid input which led to errors. While I was in the process of programming, I was confused about how to proceed directly to step 2 if the user wanted to continue to encrypt or decrypt. When I searched on the internet I learned about my brother and then I completed the program. I was not able to run the program in a loop and tried many times and when I went back to the lecture slides I got the idea of where I was wrong. The encrypt and the decrypt code was also new, so I searched on the internet.

2. How did you go about completing the task?

Ans: At first, I learned what caser cipher was to make a mind map of how I was going to code the program, and then I started to see what kind of loop would be suited as per the instruction. I searched for the codes of encrypt and decrypt where I also found about shift. The 6th instruction was to let the user enter y/n which we had done in our tutorial class which helped me to code that specific part. While looping the program to keep running if the user wanted to continue so for the encrypting and decrypting, I took help from YouTube, and it made all my confusion about encrypting and decrypting go away. develop a program that encrypts and decrypts text using the Caesar Cipher. I ran the program several times to see if the program was running properly or not. I also checked on the internet if I was using the proper syntax for the program.

3. What have you learned over the course of completing this coursework task?

Ans: Through this coursework, I learned about the ord() and chr() functions to change them to ASCII values. While researching these functions I learned about the caser cipher algorithm. While programming I learned about handling the inputs and validating them given by the user. This also helped me to learn to loop and where to use it properly. This coursework helped me to learn about how important is spacing in python.

The ord() and chr() functions taught me how the characters change to ASCII values and the modulus taught me to keep the shifted character within range. The program taught me how non-alphabetic characters can be handled. It taught me about handling conditional statements, which is important to make the program run properly. In the end, the coursework taught me the implementation of the Caesar Cipher algorithm. It helped me to learn new functions in python.