

# 4CS001 – Introductory Programming & Problem-Solving Workshop 4

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

ANS: At first understanding, the concept of Cesar cipher was difficult, and then when starting to implement all the functions as mentioned it became harder. I felt more difficulty in defining messages or file functions. To understand all the logic it consumes lots of time. Defining all the functions were quite straightforward, but implementing the main() function was more challenging. As the functions, enter\_message(), and message\_or\_file() are similar, implementing both the functions would ask same prompts twice. So, to make the output exactly as in the question, I used only one of them in the main() function.

2. How did you go about completing the task?

ANS: At first, I consumed a lot of time reading instructions for better understanding and avoiding mistakes. After reading all the instructions I went through my lecture slides and tutorial works as a reference. Then I started to write the code following the question stepwise.

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

ANS: I understood python better after completing this coursework. Completing the assignment required almost all of the knowledge studied till date. I revised all that I've learned to complete the task. It made me more comfortable with loops and functions. Since, it is among the longest code I've written till now, I learned to arrange it. Also, it was challenging finding bugs and fixing them, which I overcame eventually. Also, I found out that using Jupyter notebook is easier to practice coding and find bugs and fixing them.