# Course Work 1

## What are the most challenging aspect of the coursework task?

: The most challenging aspect of the coursework task are:

1. Defining different functions as per requirement of the coursework
2. Using nested loops and conditional statements multiples times
3. Using main() function to call other function
4. Proper flow management and long code structure
5. Error due to name, repeated a lot because of propagation of variables from one function to another.

Although, I had to work a lot on the File Input/Output part of the coursework. At first, the program development was going smooth as I was serially following the instructions step by step, but the challenging part was to resolve the issue of encrypting and decrypting a single message only at a time by introducing file handling capabilities to encrypt/decrypt multiple messages at single execution. Some code prior to File Input/Output part had to be managed just to implement concept.

## How did you go about completing the task?

: I started my coursework by skimming through the given information, my plan was to serially go through the assessment questions by implementing the given implementations to my codes. Although I didn’t note any information that much carefully which caused me trouble later. To begin with I completed the 4 steps within 1 hour of time and after that I got to the part of File Input/Output that was pain for my head for 2 days because of the reimplementation and distortion of prior codes as I had already completed the full code, along with that I faced lots of errors while developing the program.

Simply, I had that straight path at first the completing the course and then the document.

To resolve the issues that I got during the development process, i researched over internet especially for geeksforgeeks, stackoverflow, w3school, python documentation along with lecture, tutorial and workshop content.

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

: The learning that I was able to gain over the course of completing this coursework task are:

1. Learned to use main() function to call other functions
2. Got to use “While” and “for” loops in different ways that enhanced my concepts on their use.
3. Concepts of File handling approach and calling nested function improved
4. Debugging skills and error reading skill got improved
5. Got to know the importance of reading Error messages.
6. Backup and its importance were worthy to learn and experienced too.
7. Cleared concept on returning and non-returning functions
8. Learned to use different blank elements.
9. Learned the importance of indentation.

I was a bit stalled at messege\_or\_file() function too, because of misunderstanding while reading question, got a lesson to read the question carefully.