CS6.201 - INTRODUCTION TO SOFTWARE SYSTEMS – SPRING 2025
Class Activity 1 – Shell Programming
Due Date: 15/1/2025 5:00 PM (Wednesday)
Total Marks: 20 - Duration: 60 Minutes

NOTE: This is an individual self-learning, self-exploring activity. Not a competition. However, this activity is graded. You are free to use any tool, search engine or LLM to learn, understand and submit answers. However, you make best use of this activity to learn concepts associated with SHELL. Each question carries 5 marks.

Q: Carefully go through this script in BASH and answer the following questions:

  a. There are two errors in the script. Correcting them will allow the script to run – Please provide correction as follows - **<line_number>: <correction from> : <correction to>**
  b. What does this script do? - Provide your response in two to three sentences
  c. What exactly is the IF condition trying to do in validate() function? - Provide your response in two sentences
  d. Which line in the entire code executes first i.e. which line is the main program in this program? - Explain why in two sentences.

Script Source:
https://raw.githubusercontent.com/sai11101989/sai11101989.github.io/refs/heads/main/Course/ISS_Spring_2025/ca1.sh

Submission Instructions
  - Please include all your responses and submit one single PDF file via Github Classroom and Moodle.
  - Submission file should be as follows - **<rollnumber_ca1>.pdf**
  - Please keep your answers short, crisp and clear.
  - If you are using any LLM for this task, please declare your usage with all required details here - https://forms.office.com/r/Mg97epP413 If you are found not mentioning about your LLM usage despite using one, you will be awarded '0'.

                    _(-_-)_/ Happy -_- Programming!