# Operating System

# Task 1 (Lab)

Create the Folder of BSCS, Create file and write the code that shows your name, CGPA, date of birth and your favourite quote formatted adequately in C.

Show code and outcome in terminal

##### TASK 2

Open **Terminal.**

##### Type in the following commands and show outcomes:

To identify the available CPU, memory, and disk resources, we can used the following commands:

cat /proc/cpuinfo (read the CPU information)

cat /proc/meminfo (read the memory (RAM) information)

df -h ( find out secondary storage (hard-disk) information)

top is a command line program provides a real-time view of the processes running in the system. It provides system summary and the list of tasks managing by Linux kernel. The program is useful to identify the processes running with CPU and memory utilization. Launch a terminal and execute top command. You can press q to exit from top program.

Does the outcome of top match with the outcome of with System Monitor?

##### TASK

strace is a tool that helps to run specified command and traces its interaction with operating system. We can run any program using strace and identify the system calls it makes.

Launch a terminal and run strace ls

Try to read the output generated by the program and identify the system calls.

##### EXERCISE 2

Search for any file-based code in C for Linux. Download it. Where did you download it from? Compile and Execute code and show outcome here: