BITS PILANI, DUBAI CAMPUS
DUBAI INTERNATIONAL ACADEMIC CITY, DUBAI
SECOND SEMESTER 2024 - 2025

Data Structures & Algorithms (CS F211)
Lab Exercise 0 (Revisit File Handling)

Login to your LINUX Account (MobaXterm/Telnet)

Use *nano/vi* editor to write and edit programs:
                                $vi sample.c   OR $nano sample.c

                                 $vi sample.cpp   OR $nano sample.cpp

Execution Steps for C/C++:
                                        $cc -o output sample.c $ ./output
                                        $c++ -o output sample.cpp $./output

To read the concepts of file handling, you may visit the following websites:

For C: https://www.programiz.com/c-programming/c-file-input-output
For C++: https://www.programiz.com/cpp-programming/file-handling

Write a C/C++/Java program for the followings:

1. Create a file *studentout1.dat* and write user input data "*Implementing data structures would be fun.*" into this file.

2. Read the content of the file *studentout1.dat* and display it on the console.

3. Append at least 3 more user input lines into *studentout1.dat.*

4. Copy the content from *studentout1.dat* file to another file *studentout2.dat*

5. Count characters, words and lines in the *studentout2.dat*

6. Create two text files (file1.txt & file2.txt) with different contents in these files using any editor. Implement a program to write the contents of both files (contents of file1 followed by file2) into a third file file3.txt. Display the contents of file3.txt to validate.