National University of Computer and Emerging Sciences



**Laboratory Manual**

*for*

**Operating Systems Lab**

**(CL 220)**

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| Section | CS-4D |
| Semester | Spring 2021 |

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**Lab Topic:**

I/O Redirection

**Lab Objectives:**

* Input, output redirection using Dup, Dup2 system calls.

**Inlab Questions:**

**Question 1**:

(I/O REDIRECTION using filing)

Write a program that takes that reads an input from file input.txt rather than keyboard and sum all the digits and write the sum to a new file output.txt rather than console.

(Hint: use Dup system call)

Q2: Write a shell script that performs the task of the below shell command.

man ls | grep ls > file.txt