National University of Computer and Emerging Sciences



Laboratory Manual

for

Operating Systems Lab

(CL-220)

|  |  |
| --- | --- |
|  |  |
| Lab Instructor(s) |  |
| Section |  |
| Semester |  |

Department of Computer Science

FAST-NU, Lahore, Pakista

## Objectives

In this lab, students will practice:

1. Inter-process communication using shared memory

Important Note:

* Comment your code intelligently.
* Indent your code properly.
* Use meaningful variable names.
* Use meaningful prompt lines/labels for input/output.
* Use meaningful project and C/C++ file name

1. A client process read data from a file named “number.txt” (passed as an command line argument) and the data to a server process (unrelated process) via a shared memory and the server process read the data from the shared memory and display the sum and average the integers . (Use open, read, and write system calls for filing).