National University of Computer and Emerging Sciences



Laboratory Manual

for

Operating Systems Lab

(CL-220)

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

Department of Computer Science

FAST-NU, Lahore, Pakistan

## Objectives

In this lab, students will practice:

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).