**TITLE OF LAB, CENTERED, IN ALL CAPITALS,**

**AND ON MULTIPLE LINES (AS NEEDED)**

**OF DECREASING LENGTH**

**LAB # 00**

**Fall 2023**

**CSE-302L**

**Systems Programming Lab**

Submitted by: **AIMAL KHAN**

Registration No.: **21PWCSE1996**

Class Section: **A**

“On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work.”



Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Submitted to:

**Engr. Abdullah Hamid**

Sunday, January 28, 2024

Department of Computer Systems Engineering

University of Engineering and Technology, Peshawar

**CSE 302L: SYSTEMS PROGRAMMING LAB**

**LAB ASSESSMENT RUBRICS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Criteria & Point Assigned** | **Outstanding 2** | **Acceptable 1.5** | **Considerable 1** | **Below Expectations 0.5** | **Score** |
| **Attendance and**  **Attentiveness in Lab**  PLO08 | Attended in proper Time and attentive in Lab | Attended in proper Time but not attentive in Lab | Attended late but attentive in Lab | Attended late not attentive in Lab |  |
| **Capability of writing Program/Algorithm/Drawing Flow Chart**  PLO1, PLO2, PLO3, PLO5 | Right attempt/ no errors and well formatted | Right attempt/ no errors but not well formatted | Right attempt/ minor errors and not well formatted | Wrong attempt |  |
| **Result or Output/ Completion of target in Lab**  PLO9 | 100% target has been completed and well formatted. | 75% target has been completed and well formatted. | 50% target has been completed but not well formatted. | None of the outputs are correct. |  |
| **Overall, Knowledge**  PLO10, | Demonstrates excellent knowledge of lab | Demonstrates good knowledge of lab | Has partial idea about the Lab and procedure followed | Has poor idea about the Lab and procedure followed |  |
| **Attention to Lab Report**  PLO4, | Submission of Lab Report in Proper Time i.e., in next day of lab, with proper documentation. | Submission of Lab Report in proper time but not with proper documentation. | Late Submission with proper documentation. | Late Submission very poor documentation |  |

**Instructor:**

|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  |

**Topic Here**

Objectives:

The objectives of this lab are to gain a practical understanding of key system programming concepts, including

* Read
* Wri

Tasks:

**Task 1**: Question here …

**Code in C:**

#include<stdio.h>

**Output:**

**Task 2**: Question here …

**Code in C:**

#include<stdio.h>

**Output:**

**Task 3**: Question here …

**Code in C:**

#include<stdio.h>

**Output:**

**Task 4**: Question here …

**Code in C:**

#include<stdio.h>

**Output:**

Reference:

To view my codes, please refer to my GitHub account:  [https://github.com/aimalexe/DCSE/tree/main/semester\_5\_(fall-23)/systems\_programming\_lab/lab\_reports](%20https://github.com/aimalexe/DCSE/tree/main/semester_5_(fall-23)/systems_programming_lab/lab_reports) .

Conclusion:

In summary, this laboratory experience has provided a comprehensive exploration of various fundamental system programming concepts, including files in UNIX, file control, file statistics, pipes, FIFOs, multi-threading, signals, and multiprocessing. These newfound insights are valuable assets that will enhance my problem-solving abilities and future project contributions.

The End.