

## List of Practicals

Subject Code: PCS-502 Subject Name: Operating System Lab

Course: B.Tech CSE Branch & Sem:-V

|  |  |
| --- | --- |
| 1. | C program to demonstrate the working of fork() system call Page No |
| 2. | C program in which parent process computes the SUM OF ODD NUMBERS and child process computes the sum of EVEN NUMBERS stored in array using fork(). |
| 3. | C program to implement the Zombie process |
| 4. | C program to implement the orphan process |
| 5. | C program to implement FCFS CPU Scheduling Algorithm |
| 6. | C program to implement SRTF CPU Scheduling Algorithm |
| 7. | C program to implement Round Robin CPU Scheduling Algorithm |
| 8. | C program to implement Pre-emptive priority CPU Scheduling Algorithm |
| 9. | C program to implement Banker’s Algorithm |
| 10. | C program to implement First in First out page replacement policy |
| 11. | C program to implement the Least recently used page replacement policy |
| 12. | C program to implement FCFS Disk Scheduling Algorithm |
| 13. | C program to implement SSTF Disk Scheduling Algorithm |

|  |  |
| --- | --- |
| 14. | C program to implement SCAN Disk Scheduling Algorithm |
| 15. | C program to implement C-SCAN Disk Sch |

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING STUDENT LAB REPORT SHEET

**Operating System LAB (PCS-502)**

Name of Student ……………………………………...…………. Mo. No………………….……….…………..

Address Permanent …….…………………………………………………………………………..……………..

Father’s Name ………………………………..……………… Mo No ………………………

Mother’s Name ……………………………………………… Mo No…………..…………..

Section ……..……….Branch……………………Semester…………….. Class Roll No……………..

Local Address……………………………………………………Email……………. ……Grade A B C

**Marks** 5 3 1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.** | **Name of the Experiment** | **D.O.P.** | **D.O.S** | **Grade** | **Grade** | **Total** | **Student’s** | **Teacher’s** |
| **No.** | **(Viva)** | **(Report** | **Marks** | **Signature** | **Signature** |
|  |  | **File)** | **(out of** |  |  |
|  |  |  | **10)** |  |  |
| **1** | C program to demonstrate the working of fork() system call |  |  |  |  |  |  |  |
| **2** | C program in which parent process computes the SUM OF ODD NUMBERS and child process computes the sum of EVEN NUMBERS stored in array using fork(). |  |  |  |  |  |  |  |
| **3** | C program to implement the Zombie process |  |  |  |  |  |  |  |
| **4** | C program to implement the orphan process |  |  |  |  |  |  |  |
| **5** | C program to implement FCFS CPU Scheduling Algorithm |  |  |  |  |  |  |  |
| **6** | C program to implement SRTF CPU Scheduling Algorithm |  |  |  |  |  |  |  |
| **7** | C program to implement Round Robin CPU Scheduling Algorithm |  |  |  |  |  |  |  |
| **8** | C program to implement Pre-emptive priority CPU Scheduling Algorithm |  |  |  |  |  |  |  |
| **9** | C program to implement Banker’s Algorithm |  |  |  |  |  |  |  |
| **10** | C program to implement First in First out page replacement policy |  |  |  |  |  |  |  |
| **11** | C program to implement the Least recently used page replacement policy |  |  |  |  |  |  |  |
| **12** | C program to implement FCFS Disk Scheduling Algorithm |  |  |  |  |  |  |  |
| **13** | C program to implement SSTF Disk Scheduling Algorithm |  |  |  |  |  |  |  |
| **14** | C program to implement SCAN Disk Scheduling Algorithm |  |  |  |  |  |  |  |
| **15** | C program to implement C-SCAN Disk Sch |  |  |  |  |  |  |  |