

PARSING PRINCIPS A P STAND INSTRINCTION OF TRACE INDUCTY (Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai) (Religious Jain Minority)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

Academic Year: 2024-25 Name of Student: pandey kalash

Semester: IV Student ID:23106049

Class / Branch: SE AIML

Date of Performance: 3-02-25

Subject: CSL403 Operating System Lab

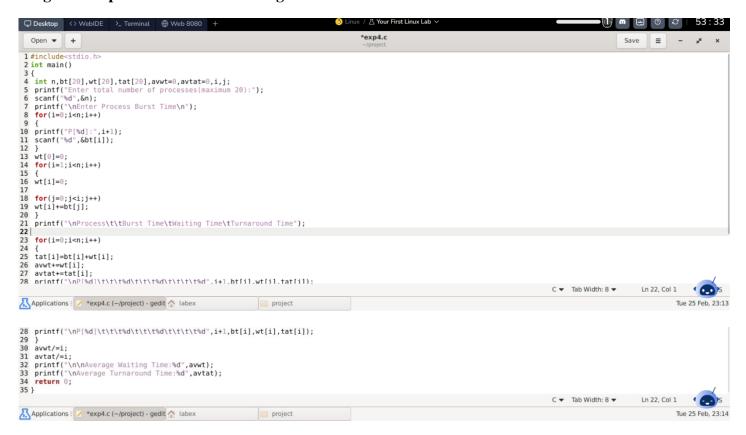
Date of Submission: 3-02-25

Name of Instructor: Prof. Poonam Tiware

Experiment No.4

Aim: Write a program to demonstrate the concept of non-preemptive, preemptive scheduling algorithms.

Program: Implementation of FCFS algorithm





A. P. STATE INSTRUMENT OF THE CHINOLOGY



(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai) (Religious Jain Minority)

Output:

```
labex:project/ $ touch exp4.c
labex:project/ $ gcc exp4.c
labex:project/ $ labex:p
```

Program: Implementation of Pre-emptive Shortest Job First (SJF) algorithm





Parshvanath Charitable Trust's A. P. SHANI INSTMITUTE OF TECHNOLOGY



(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai) (Religious Jain Minority)

Output:

```
labex:project/ $ gcc exp4.c
labex:project/ $ ./a.out
Enter number of process:4

Enter Burst Time:
p1:4
p2:6
p3:8
p4:10

Process Burst Time Waiting Time Turnaround Time
p1 4 0 4
p2 6 4 10
p3 8 10 18
p4 10 18
p5 28
```

Conclusion: Hence, we have implemented FCFS and SJF algorithm.