

PES1201800410

sem V

roll no 24

Prashanth A R

O S lab Week 6-7

```
Applications Places System Parrot Terminal
File Edit View Search Terminal Help
(base) [prashanth@parrot:~/Documents/semV/os/PES1201800410_Prashanth_A_R_WEEK6]
$gcc -pthread prob1.c
(base) [prashanth@parrot:~/Documents/semV/os/PES1201800410_Prashanth_A_R_WEEK6]
$./a.out
With race condition
job 0 started
job 1 started
job 2 started
job 3 started
job 4 started
job 0 finished
job 1 finished
job 2 finished
job 3 finished
job 4 finished
job 5 started
job 6 started
job 7 started
job 8 started
job 9 started
job 10 started
job 11 started
job 12 started
job 13 started
job 14 started
job 15 started
job 16 started
job 17 started
job 18 started
job 19 started
job 20 started
job 21 started
job 22 started
job 23 started
job 24 started
[0] 0: [mutex]
"parrot" 22:03 22-Oct-26
```

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Applications Places System Parrot Terminal
File Edit View Search Terminal Help
(base) [prashanth@parrot:~/Documents/semV/os/PES1201800410_Prashanth_A_R_WEEK6]
$gcc -pthread prob2.c
(base) [prashanth@parrot:~/Documents/semV/os/PES1201800410_Prashanth_A_R_WEEK6]
$./a.out
Without race condition
job 0 started
job 0 finished
job 1 started
job 1 finished
job 2 started
job 2 finished
job 3 started
job 3 finished
job 4 started
job 4 finished
job 5 started
job 5 finished
job 6 started
job 6 finished
job 7 started
job 7 finished
job 8 started
job 8 finished
job 9 started
job 9 finished
[0] 8: ./a.out*
"parrot" 22:02 22-Oct-26
```