# OS Lab Report – Week 10 & 11
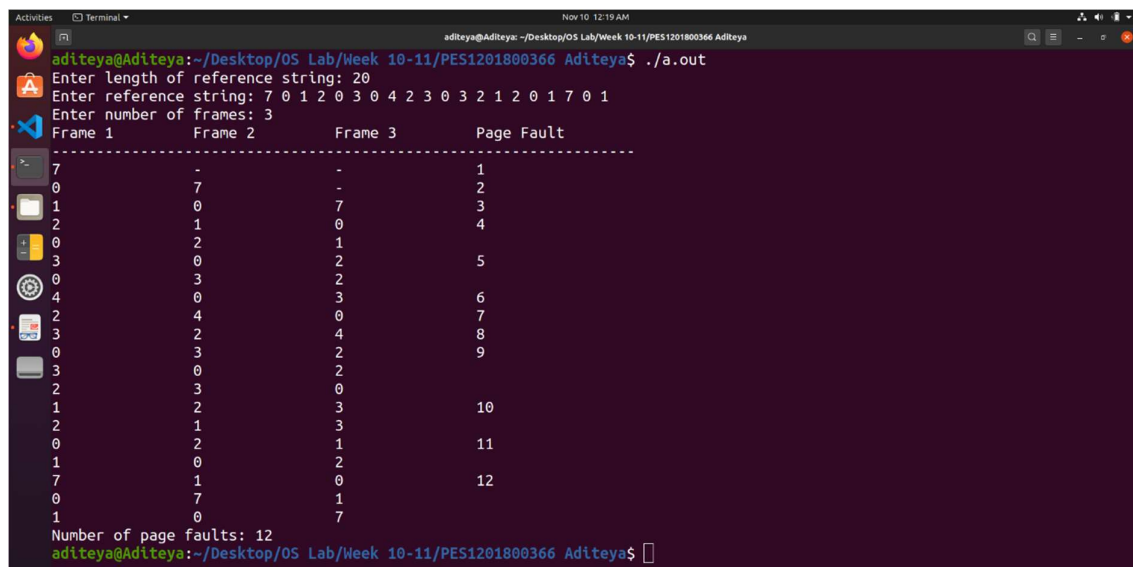## Memory Management Problems

## PES1201800366
## Aditeya Baral

## 1. Week 10

Write a C program to implement paging using Best-fit algorithm.



## 2. Week 11

Write a C program to implement Least Recently Used page replacement (LRU) algorithm.

aditeya@Aditeya:~/Desktop/OS Lab/Week 10-11/PES1201800366 Aditeya

```
aditeya@Aditeya:~/Desktop/OS Lab/Week 10-11/PES1201800366 Aditeya$ ./a.out
Enter number of partitions in memory: 4
Enter size of PARTITION 1: 300
Enter size of PARTITION 2: 100
Enter size of PARTITION 3: 200
Enter size of PARTITION 4: 400

Enter number of processes: 3
Enter name of process: P
Enter size of process P: 80

Enter name of process: Q
Enter size of process Q: 120

Enter name of process: R
Enter size of process R: 270


Partition Number          Partition Size        Partition Status          Fragment Size
-------------------------------------------------------------------
0                         300                   Allocated (R)             30
1                         100                   Allocated (P)             20
2                         200                   Allocated (Q)             80
3                         400                   Free                                     400

aditeya@Aditeya:~/Desktop/OS Lab/Week 10-11/PES1201800366 Aditeya$
```