Operating Systems Lab

Week 10-11

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Section	5-G
Course Code	UE18CS305

Output

1. Implement paging using Best-fit algorithm

```
etherealenvy@pop-os ~/PESU/Sem5/OS-LAB/PES1201800326/week10-11
$ ./a.out
Enter the number of memory segments: 4

Enter the values:
Enter partition size: 300
Enter partition size: 100
Enter partition size: 200
Enter partition size: 400
Enter the number of process to assign the memory: 3
Enter the name of the process: P
Enter the size of the processes: 80
Enter the name of the process: Q
Enter the size of the processes: 120
Enter the name of the process: R
Enter the size of the processes: 270
Partition No    Partition Size          Partition Status        Fragment Size
        0               100             allocated<P>                    20
        1               200             allocated<Q>                    80
        2               300             allocated<R>                    30
        3               400             free
```

2. Implement LRU algorithm

```
etherealenvy@pop-os ~/PESU/Sem5/OS-LAB/PES1201800326/week10-11
$ ./a.out
Enter length of reference string: 10
Enter reference string: 1 2 3 5 6 4 4 7 8 9

Enter number of frames: 3

  1  -1  -1      Page Fault number: 1
  1   2  -1      Page Fault number: 2
  1   2   3      Page Fault number: 3
  5   2   3      Page Fault number: 4
  5   6   3      Page Fault number: 5
  5   6   4      Page Fault number: 6
  5   6   4
  7   6   4      Page Fault number: 7
  7   8   4      Page Fault number: 8
  7   8   9      Page Fault number: 9
The number of page faults is 9
```