

OS LAB WEEK 10 and 11

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OUTPUT 1

```
C:\Users\Akhil Khubchandani\Desktop\PES2201800321-akhil-week10-11>a
Enter the number of memory segments: 4

Enter the values
Enter the partition size of the block 1: 300
Enter the partition size of the block 2: 100
Enter the partition size of the block 3: 200
Enter the partition size of the block 4: 400
Enter the number of processes to assign the memory: 3
Enter the size of process 1: 80
Enter the size of process 2: 120
Enter the size of process 3: 270
```

Process no	Process size	Partition no	Partition size	Fragment size
1	80	2	100	20
2	120	3	200	80
3	270	1	300	30

Partition status
300 - assigned
100 - assigned
200 - assigned
400 - free

OUTPUT 2

```
C:\Users\Akhil Khubchandani\Desktop\PES2201800321-akhil-week10-11>gcc 11.c
```

```
C:\Users\Akhil Khubchandani\Desktop\PES2201800321-akhil-week10-11>a
```

```
Enter the length of reference string: 20
```

```
Enter the reference string: 7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1
```

```
Enter the number of frames: 3
```

7	-1	-1
7	0	-1
7	0	1
2	0	1
2	0	1
2	0	3
2	0	3
4	0	3
4	0	2
4	3	2
0	3	2
0	3	2
0	3	2
1	3	2
1	3	2
1	0	2
1	0	2
1	0	7
1	0	7
1	0	7

```
The number of page faults using LRU = 12
```