## OPERATING SYSTEMS PROGRAMMING EXERECISE -3

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Write a program to simulate Segmentation. Compute the physical address. Take as input:

- 1. Segment number
- 2. Base address
- 3. Segment limit

CODE:

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## **OUTPUT:**

```
nagavenigowda@ubuntu-1:~/Documents$ gedit OS3.c
nagavenigowda@ubuntu-1:~/Documents$ gcc OS3.c
nagavenigowda@ubuntu-1:~/Documents$ ./a.out
Enter segment number: 1
Enter base address: 1800
Enter segment limit: 100
Enter offset: 50
Physical address: 1850
nagavenigowda@ubuntu-1:~/Documents$ ./a.out
Enter segment number: 5
Enter base address: 8000
Enter segment limit: 500
Enter offset: 700
Offset is out of segment limit
nagavenigowda@ubuntu-1:~/Documents$
```

