

```
PS D:\Ayush\College\Sem
V\LAB\SPOSL\SPOS_Ayush_Codes\Synchronization_Problems> python
Producer_Consumer_Problem.py
Enter the no. of iterations needed : 5
Enter the no. of Producers : 3
Enter the no. of Consumers : 3
Enter the Buffer Size : 5
Producer 1 produced 6.      Buffer : [6]
Producer 2 produced 2.      Buffer : [6, 2]
Producer 3 produced 9.      Buffer : [6, 2, 9]
Consumer 1 consumed 6.      Buffer : [2, 9]
Consumer 2 consumed 2.      Buffer : [9]
Consumer 3 consumed 9.      Buffer : []
Producer 1 produced 10.     Buffer : [10]
Consumer 2 consumed 10.     Buffer : []
Producer 3 produced 4.      Buffer : [4]
Consumer 1 consumed 4.      Buffer : []
Producer 1 produced 9.      Buffer : [9]
Consumer 3 consumed 9.      Buffer : []
Producer 3 produced 8.      Buffer : [8]
Consumer 2 consumed 8.      Buffer : []
Producer 3 produced 7.      Buffer : [7]
Consumer 1 consumed 7.      Buffer : []
Producer 2 produced 10.     Buffer : [10]
Consumer 3 consumed 10.     Buffer : []
Producer 1 produced 9.      Buffer : [9]
Consumer 2 consumed 9.      Buffer : []
Producer 2 produced 8.      Buffer : [8]
Consumer 1 consumed 8.      Buffer : []
Producer 3 produced 3.      Buffer : [3]
Consumer 3 consumed 3.      Buffer : []
Producer 1 produced 3.      Buffer : [3]
Consumer 3 consumed 3.      Buffer : []
Producer 2 produced 7.      Buffer : [7]
Consumer 2 consumed 7.      Buffer : []
Producer 2 produced 3.      Buffer : [3]
Consumer 1 consumed 3.      Buffer : []
```

Process finished with exit code 0