Test case 3:

```
eros@Arnab:/mnt/d/CollegeCode/sem4/csd204/Lab5/Assgn5-ArnabMandal$ ./q1
Enter buffer size:
5
Enter number of producers:
2
Enter number of consumers:
2
Producer 1 produces: 92
Consumer 2consumed: 92
Producer 2 produces: 10
Consumer 1consumed: 10
Producer 2 produces: 31
Producer 1 produces: 91
Consumer 1consumed: 31
Consumer 2consumed: 91
Producer 2 produces: 68
Consumer 2consumed: 68
Producer 1 produces: 71
Consumer 1consumed: 71
Producer 2 produces: 19
Consumer 2consumed: 19
Producer 1 produces: 58
Consumer 1consumed: 58
Producer 2 produces: 74
Consumer 2consumed: 74
Producer 1 produces: 95
Consumer 2consumed: 95
Producer 2 produces: 65
Consumer 1consumed: 65
Producer 1 produces: 13
Producer 2 produces: 1
Producer 1 produces: 55
```

Test case2:

```
Producer 1 produces: 52
Producer 1 produces: 9
Producer 1 produces: 83
Consumer 1consumed: 52
Consumer 1consumed: 9
Consumer 1consumed: 83
Consumer 1 is waiting for entry in buffer.
Producer 1 produces: 5
Producer 1 produces: 7
Producer 1 produces: 72
Consumer 1consumed: 5
Producer 1 produces: 71
Producer 1 is waiting for an empty slot.
Consumer 1consumed: 7
```

Test case 1:

```
eros@Arnab:/mnt/d/CollegeCode/sem4/csu204/lab3/
Enter buffer size:
5
Enter number of producers:
2
Enter number of consumers:
2
Producer 2 produces: 17
Producer 2 produces: 37
Producer 2 produces: 93
Producer 2 produces: 21
Producer 2 produces: 98
Consumer 1consumed: 17
Consumer 1consumed: 37
Consumer 1consumed: 93
Consumer 1consumed: 21
Consumer 2consumed: 98
Producer 2 produces: 16
Producer 2 produces: 13
Producer 2 produces: 79
Producer 2 produces: 79
Producer 2 produces: 83
Consumer 2consumed: 16
Consumer 2consumed: 13
Consumer 2consumed: 79
Consumer 2consumed: 79
Consumer 2consumed: 83
Producer 1 produces: 73
Producer 1 produces: 38
Producer 1 produces: 86
Producer 1 produces: 44
Producer 1 produces: 42
Consumer 1consumed: 73
Consumer 1consumed: 38
```