

CSE321 Section-11
Lab Assignment-04
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Task-1

```
Activities Terminal Sep 26 18:16
Terminal
13 | char source[BUFLen]; //from this array producer will store it's production into buffer
|
hp@gang:~$ gedit Assignment4_Task1.c
** (gedit:42274): WARNING **: 18:16:26.819: Set document metadata failed: Unable to set metadata key
** (gedit:42274): WARNING **: 18:16:26.822: Set document metadata failed: Unable to set metadata key
** (gedit:42274): WARNING **: 18:16:28.163: Set document metadata failed: Unable to set metadata key
hp@gang:~$ gcc -o Assignment4_Task1 Assignment4_Task1.c -pthread
hp@gang:~$ ./Assignment4_Task1
0 produced a by Thread 0
0 consumed a by Thread 1
1 produced b by Thread 0
1 consumed b by Thread 1
2 produced c by Thread 0
2 consumed c by Thread 1
3 produced d by Thread 0
3 consumed d by Thread 1
4 produced e by Thread 0
4 consumed e by Thread 1
5 produced f by Thread 0
5 consumed f by Thread 1
6 produced a by Thread 0
6 consumed a by Thread 1
7 produced b by Thread 0
7 consumed b by Thread 1
8 produced c by Thread 0
8 consumed c by Thread 1
9 produced d by Thread 0
9 consumed d by Thread 1
hp@gang:~$
```

Task 2

```
Activities Terminal
Terminal
compilation terminated.
hp@gang:~$ gcc -o Assignment4_Task2 Assignment4_task2.c -pthread
hp@gang:~$ ./Assignment4_Task2
Farmer 0: Insert crops R at 0
Farmer 3: Insert crops S at 3
Farmer 4: Insert crops M at 4
Farmer 2: Insert crops P at 2
Shop Owner 0: Remove crops R from 0
Farmer 1: Insert crops W at 1
Shop Owner 1: Remove crops W from 1
Shop Owner 2: Remove crops P from 2
Shop Owner 3: Remove crops S from 3
Shop Owner 4: Remove crops M from 4
Farmer 3: Insert crops S at 3
Farmer 2: Insert crops P at 2
Farmer 4: Insert crops M at 4
Shop Owner 0: Remove crops N from 0
Shop Owner 1: Remove crops N from 1
Shop Owner 2: Remove crops P from 2
Farmer 0: Insert crops R at 0
Farmer 1: Insert crops W at 1
Shop Owner 3: Remove crops S from 3
Shop Owner 4: Remove crops M from 4
Farmer 1: Insert crops W at 1
Farmer 0: Insert crops R at 0
Farmer 3: Insert crops S at 3
Farmer 2: Insert crops P at 2
Farmer 4: Insert crops M at 4
Shop Owner 2: Remove crops P from 2
Shop Owner 1: Remove crops W from 1
Shop Owner 4: Remove crops M from 4
Shop Owner 3: Remove crops S from 3
```

```
Activities Terminal
Terminal
Shop Owner 4: Remove crops M from 4
Farmer 1: Insert crops W at 1
Farmer 0: Insert crops R at 0
Farmer 3: Insert crops S at 3
Farmer 2: Insert crops P at 2
Farmer 4: Insert crops M at 4
Shop Owner 2: Remove crops P from 2
Shop Owner 1: Remove crops W from 1
Shop Owner 4: Remove crops M from 4
Shop Owner 3: Remove crops S from 3
Shop Owner 0: Remove crops R from 0
Farmer 2: Insert crops P at 2
Shop Owner 4: Remove crops N from 4
Farmer 0: Insert crops R at 0
Farmer 1: Insert crops W at 1
Shop Owner 1: Remove crops W from 1
Farmer 4: Insert crops M at 4
Shop Owner 3: Remove crops N from 3
Shop Owner 0: Remove crops R from 0
Farmer 3: Insert crops S at 3
Shop Owner 2: Remove crops P from 2
Farmer 2: Insert crops P at 2
Shop Owner 4: Remove crops M from 4
Farmer 0: Insert crops R at 0
Shop Owner 1: Remove crops N from 1
Farmer 1: Insert crops W at 1
Shop Owner 3: Remove crops S from 3
Farmer 4: Insert crops M at 4
Shop Owner 0: Remove crops R from 0
Farmer 3: Insert crops S at 3
Shop Owner 2: Remove crops P from 2
hp@gang:~$
```