Lab_04

Answer to the question no:01

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nowshin@nowshin-VirtualBox:~/lab4$ gedit task_1.c
nowshin@nowshin-VirtualBox:~/lab4$ gcc -o task_1 task_1.c
nowshin@nowshin-VirtualBox:~/lab4$ ./task_1
0 produced a by Thread 0
1 produced b by Thread 0
2 produced c by Thread 0
3 produced d by Thread 0
4 produced e by Thread 0
0 consumed a by Thread 1
1 consumed b by Thread 1
2 consumed c by Thread 1
3 consumed d by Thread 1
4 consumed e by Thread 1
5 produced f by Thread 0
6 produced a by Thread 0
7 produced b by Thread 0
8 produced c by Thread 0
9 produced d by Thread 0
5 consumed f by Thread 1
6 consumed a by Thread 1
7 consumed b by Thread 1
8 consumed c by Thread 1
9 consumed d by Thread 1
nowshin@nowshin-VirtualBox:~/lab4$
```

Answer to the question no:02

```
nowshin@nowshin-VirtualBox:~$ cd lab4
nowshin@nowshin-VirtualBox:~/lab4$ touch task_2.c
nowshin@nowshin-VirtualBox:~/lab4$ gedit task_2.c
nowshin@nowshin-VirtualBox:~/lab4$ gcc -o task_2 task_2.c
nowshin@nowshin-VirtualBox:~/lab4$ ./task_2
 Farmer 2:   insert crops R at 0
 Farmer 2:   insert crops W at 1
 Farmer 2:   insert crops P at 2
 Farmer 2:   insert crops S at 3
 Shop Owner 1: Remove crops R from 0
 Shop Owner 1: Remove crops W from 1
 Shop Owner 1: Remove crops P from 2
 Shop Owner 1: Remove crops S from 3
 Farmer 1:   insert crops M at 4
 Farmer 2:   insert crops R at 0
 Farmer 2: R  N  N  N  M
 Shop Owner 3: Remove crops M from 4
 Shop Owner 3: Remove crops R from 0
 Farmer 3:   insert crops W at 1
 Farmer 3:   insert crops P at 2
 Farmer 3:   insert crops S at 3
 Farmer 3:   insert crops M at 4
 Shop Owner 3: Remove crops W from 1
 Shop Owner 3: Remove crops P from 2
 Shop Owner 3: Remove crops S from 3
 ShopOwner3:NNNNM
```

```
Shop Owner 1: Remove crops M from 4
ShopOwner1:NNNNN
Farmer 3:  insert crops R at 0
Farmer 3: R  N  N  N  N
Farmer 4:  insert crops W at 1
Farmer 4:  insert crops P at 2
Farmer 4:  insert crops S at 3
Shop Owner 4: Remove crops R from 0
Shop Owner 4: Remove crops W from 1
Shop Owner 4: Remove crops P from 2
Shop Owner 5: Remove crops S from 3
Farmer 5:  insert crops M at 4
Farmer 4:  insert crops R at 0
Farmer 4:  insert crops W at 1
Farmer 4: R  W  N  N  M
Shop Owner 2: Remove crops M from 4
Farmer 1:  insert crops P at 2
Shop Owner 5: Remove crops R from 0
Shop Owner 5: Remove crops W from 1
Farmer 1:  insert crops S at 3
Farmer 1:  insert crops M at 4
Farmer 1:  insert crops R at 0
Farmer 1: R  N  P  S  M
Shop Owner 2: Remove crops R from 2
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Farmer 1: R N P S M
Shop Owner 2: Remove crops P from 2
Shop Owner 5: Remove crops S from 3
Shop Owner 2: Remove crops M from 4
Shop Owner 4: Remove crops R from 0
Farmer 5: insert crops W at 1
Farmer 5: insert crops P at 2
Farmer 5: insert crops S at 3
Farmer 5: insert crops M at 4
Farmer 5: N W P S M
Shop Owner 5: Remove crops W from 1
ShopOwner5:NNPSM
Shop Owner 4: Remove crops P from 2
ShopOwner4:NNNSM
Shop Owner 2: Remove crops S from 3
Shop Owner 2: Remove crops M from 4
ShopOwner2:NNNNN
nowshin@nowshin-VirtualBox:~/lab4$