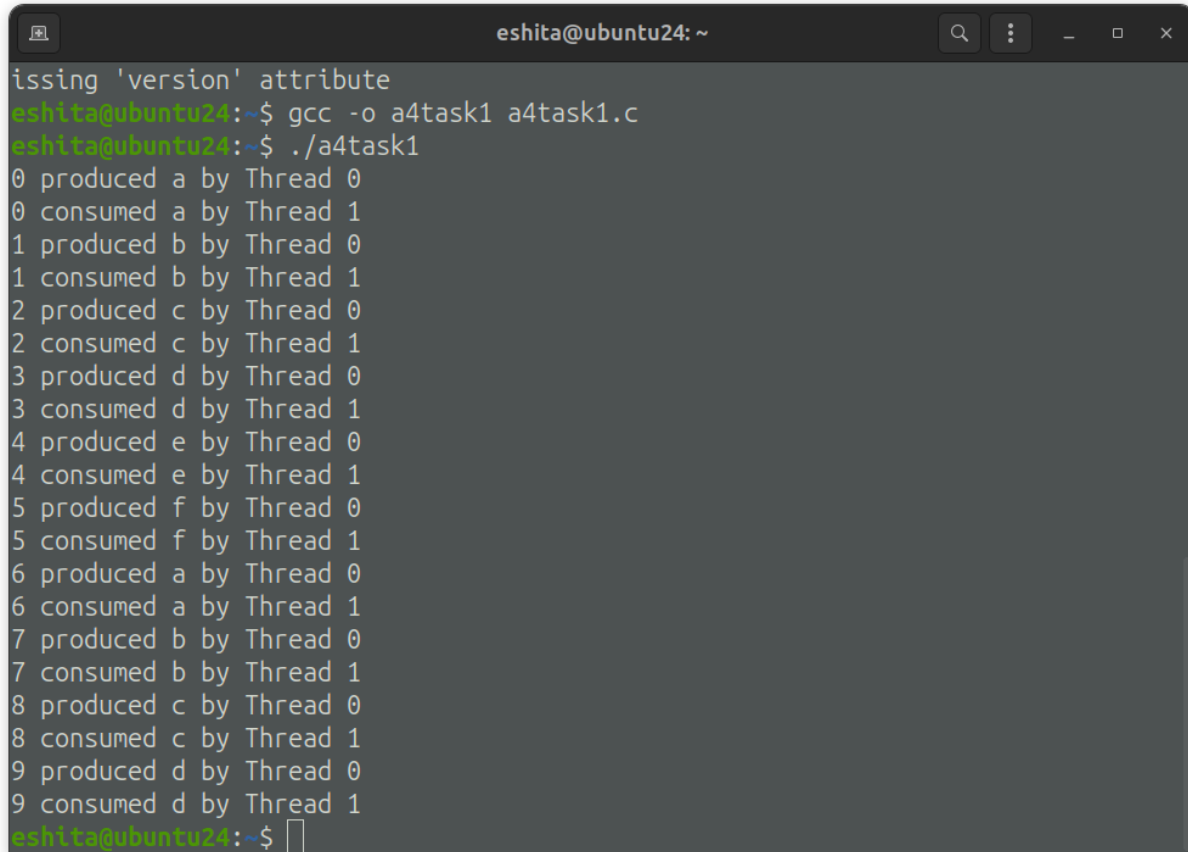


Task 1:

gedit a4task1.c

gcc -o a4task1 a4task1.c

./a4task1



```
issing 'version' attribute
eshita@ubuntu24:~$ gcc -o a4task1 a4task1.c
eshita@ubuntu24:~$ ./a4task1
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
eshita@ubuntu24:~$
```

Task 2:

gedit a4task2.c

gcc -o a4task2 a4task2.c

./a4task2

[Please scroll down for the screenshots] :(

```
eshta@ubuntu24: ~  
eshta@ubuntu24:~$ ./a4task2  
Farmer 1: Insert crops R at 0  
Farmer 1: Insert crops W at 1  
Farmer 1: Insert crops P at 2  
Shop owner 2: Remove crops R from 0  
Shop owner 2: Remove crops W from 1  
Shop owner 2: Remove crops P from 2  
Farmer 1: Insert crops S at 3  
Farmer 1: Insert crops M at 4  
Farmer 2: Insert crops R at 0  
Shop owner 1: Remove crops S from 3  
Farmer 4: Insert crops R at 1  
Shop owner 3: Remove crops M from 4  
Farmer1: RRNNN  
Farmer 3: Insert crops R at 2  
Shop owner 4: Remove crops R from 0  
Farmer 2: Insert crops W at 3  
Shop owner 2: Remove crops R from 1  
Farmer 3: Insert crops W at 4  
Farmer 5: Insert crops R at 0  
Farmer 4: Insert crops W at 1  
Shop owner 3: Remove crops R from 2  
Shop owner 3: Remove crops W from 3  
Shop owner 4: Remove crops W from 4  
Shop owner 2: Remove crops R from 0  
ShopOwner2: NWNNN  
Farmer 4: Insert crops P at 2  
Farmer 5: Insert crops W at 3  
Shop owner 3: Remove crops W from 1
```

```
eshta@ubuntu24: ~  
Shop owner 1: Remove crops W from 3  
Shop owner 1: Remove crops P from 4  
Farmer 2: Insert crops S at 3  
Farmer 3: Insert crops S at 4  
Shop owner 1: Remove crops P from 0  
Shop owner 1: Remove crops P from 1  
Farmer 5: Insert crops S at 0  
Shop owner 4: Remove crops S from 2  
Shop owner 5: Remove crops S from 3  
Farmer 2: Insert crops M at 1  
Farmer2: SMNNS  
Shop owner 5: Remove crops S from 4  
Farmer 5: Insert crops M at 2  
Farmer 4: Insert crops M at 3  
Shop owner 5: Remove crops S from 0  
Farmer 3: Insert crops M at 4  
ShopOwner1: NMMMM  
Shop owner 4: Remove crops M from 1  
Farmer5: NNNMM  
Shop owner 3: Remove crops M from 2  
ShopOwner3: NNNMM  
Shop owner 5: Remove crops M from 3  
ShopOwner5: NNNNM  
Shop owner 4: Remove crops M from 4  
ShopOwner4: NNNNN  
Farmer3: NNNNN  
Farmer4: NNNNN  
eshta@ubuntu24:~$
```