# Government Engineering College Thrissur

## CS331 – System Software
### LabDocumentation
## Exp6 – Producer Consumer Problem

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Submitted By,
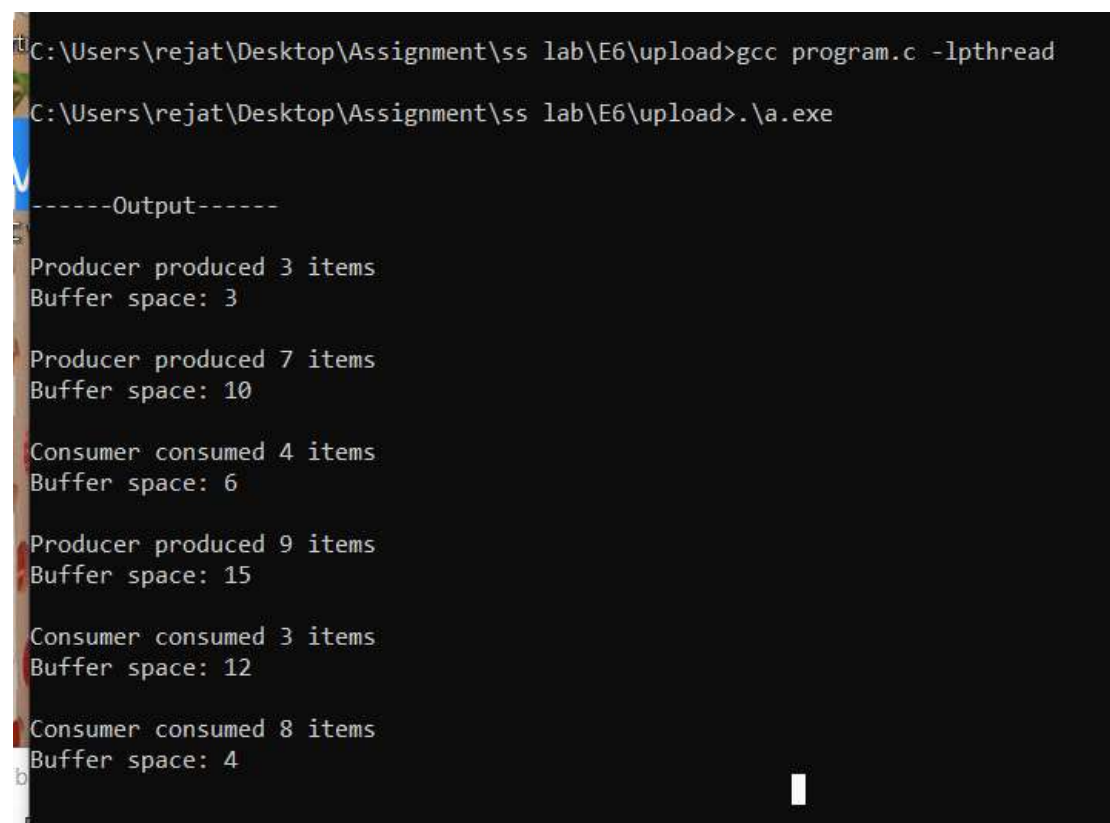## Rejath T M
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## Experiment 6:

Producer consumer problem

**Compilation of CodePrerequisite**

- The code is provided in the **program.c** file along with its documentation. You just need to run it on any compiler.
- Compile like *gcc program.c -lpthread*
  *.\a.exe*

- If you want to change input the change in the **input.txt** file int format Number<tab>Number.
- Here two threads are created one for producer other for consumer if needed it can be extended.

- Output of the file will be stored in the **output.txt** file as well as terminal or compiler in which it is executed.

# Output Screenshots

```
C:\Users\rejat\Desktop\Assignment\ss lab\E6\upload>gcc program.c -lpthread

C:\Users\rejat\Desktop\Assignment\ss lab\E6\upload>.\a.exe


------Output------

Producer produced 3 items
Buffer space: 3

Producer produced 7 items
Buffer space: 10

Consumer consumed 4 items
Buffer space: 6

Producer produced 9 items
Buffer space: 15

Consumer consumed 3 items
Buffer space: 12

Consumer consumed 8 items
Buffer space: 4
```