Government Engineering College
Thrissur

CS331 – System Software LabDocumentation
Exp6 – Dining Philosopher Problem

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Submitted By,

Shuaib Abubakker Bapputty Haji
Roll No 56
TCR18CS056
GECT CSE S5

Experiment 7:
Dining Philosopher 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

- The number of philosophers id hardcoded as 7 if want to change at #define N <Any odd number>
- Here seven threads are created one for each Philosopher
- Output of the file will be stored in the output.txt file as well as terminal or compiler in which it is executed.
- As out 3 status are printed, if more needed you can remove comments in code.

Output Screenshot


```
shuaib@shuaib-pc:~/Documents/ss/exp7$ ./a.out

Philosoper 1 is Waiting to Eat
Philosopher 1 is Eating
Philosoper 3 is Waiting to Eat
Philosopher 3 is Eating
Philosoper 6 is Waiting to Eat
Philosopher 6 is Eating
Philosopher 6 Finished Eating
Philosopher 1 Finished Eating
Philosoper 7 is Waiting to Eat
Philosopher 7 is Eating
Philosopher 7 Finished Eating
Philosoper 2 is Waiting to Eat
Philosopher 2 is Eating
Philosopher 2 Finished Eating
Philosoper 4 is Waiting to Eat
Philosopher 4 is Eating
Philosopher 4 Finished Eating
Philosoper 5 is Waiting to Eat
Philosopher 5 is Eating
Philosopher 5 Finished Eating
Philosopher 3 Finished Eatingshuaib@shuaib-pc:~/Documents/ss/exp7$
```