How to compile and run my code?
Project 2
CECS 326

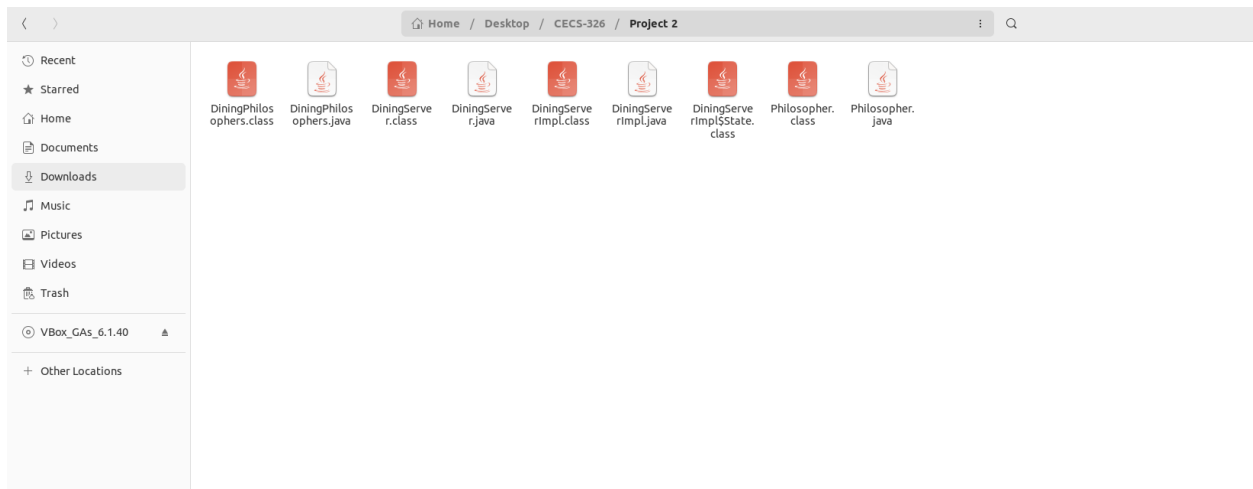Avlokita Sharma
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Dining Philosophers Problem

This project is an implementation of the Dining Philosophers problem using Java condition variables and the Reentrant Lock class. By now you should already have any JAVA software installed in your computer.

I ran my code in Ubuntu.

Here are the steps that I did:

1. Open a terminal or command prompt and navigate to the directory where the source code files are located (DiningServer.java, DiningServerImpl.java, Philosopher.java, and DiningPhilosophers.java). In my case, it was CECS 326 (my folder) → Project 2. I opened terminal through that directory.

2. Compile and run the source code by using the following commands:
a. javac DiningServer.java DiningServerImpl.java Philosopher.java DiningPhilosophers.java
b. java DiningPhilosophers

3. Run the command listed and the output will be shown:

```
Philosopher 0 will think for 1.237 seconds
Philosopher 1 will think for 2.366 seconds
Philosopher 2 will think for 2.983 seconds
Philosopher 3 will think for 1.384 seconds
Philosopher 4 will think for 2.374 seconds
Philosopher 0 will eat for 1.384 seconds
Philosopher 3 will eat for 1.981 seconds
Philosopher 0 will think for 2.215 seconds
Philosopher 1 will eat for 2.821 seconds
Philosopher 3 will think for 1.965 seconds
Philosopher 4 will eat for 2.686 seconds
Philosopher 1 will think for 1.541 seconds
Philosopher 2 will eat for 2.333 seconds
Philosopher 4 will think for 2.054 seconds
Philosopher 0 will eat for 1.836 seconds
Philosopher 2 will think for 2.934 seconds
Philosopher 3 will eat for 2.294 seconds
Philosopher 0 will think for 2.417 seconds
Philosopher 1 will eat for 2.701 seconds
Philosopher 3 will think for 1.356 seconds
Philosopher 4 will eat for 2.818 seconds
Philosopher 1 will think for 2.857 seconds
Philosopher 2 will eat for 1.627 seconds
Philosopher 2 will think for 1.772 seconds
Philosopher 4 will think for 1.98 seconds
Philosopher 3 will eat for 1.364 seconds
Philosopher 0 will eat for 2.064 seconds
Philosopher 3 will think for 1.709 seconds
Philosopher 2 will eat for 2.834 seconds
Philosopher 0 will think for 2.654 seconds
Philosopher 4 will eat for 2.734 seconds
Philosopher 2 will think for 1.7 seconds
Philosopher 1 will eat for 2.148 seconds
Philosopher 4 will think for 2.473 seconds
Philosopher 3 will eat for 2.896 seconds
Philosopher 1 will think for 1.49 seconds
Philosopher 0 will eat for 2.458 seconds
Philosopher 3 will think for 2.552 seconds
Philosopher 2 will eat for 2.78 seconds
Philosopher 0 will think for 2.409 seconds
Philosopher 4 will eat for 1.896 seconds
Philosopher 2 will think for 2.776 seconds
Philosopher 1 will eat for 1.091 seconds
```

```
Philosopher 2 will think for 2.776 seconds
Philosopher 1 will eat for 1.091 seconds
Philosopher 4 will think for 2.576 seconds
Philosopher 3 will eat for 2.465 seconds
Philosopher 1 will think for 1.524 seconds
Philosopher 0 will eat for 1.926 seconds
Philosopher 3 will think for 2.079 seconds
Philosopher 2 will eat for 1.069 seconds
Philosopher 4 will eat for 2.228 seconds
Philosopher 0 will think for 1.511 seconds
Philosopher 2 will think for 1.162 seconds
Philosopher 1 will eat for 1.758 seconds
Philosopher 3 will eat for 2.06 seconds
Philosopher 4 will think for 1.901 seconds
Philosopher 1 will think for 2.376 seconds
Philosopher 0 will eat for 1.478 seconds
Philosopher 3 was interrupted.
Philosopher 2 will eat for 1.679 seconds
Philosopher 2 was interrupted.
Philosopher 4 was interrupted.
Philosopher 0 was interrupted.
Philosopher 1 was interrupted.
avlokita@avlokita-VirtualBox:~/Desktop/CECS-326/Project 2$
```