**Assignment N0.6**

**Write-up**

6. Deadlock Avoidance Using Semaphores: Implement the deadlock-free solution to Dining Philosophers problem to illustrate the problem of deadlock and/or starvation that can occur when many synchronized threads are competing for limited resources.

* What is deadlock?
* What is starvation?
* Discuss Dinning philosopher problem
* Pseudo code of Dinning philosopher from William Stallings (2nd solution)