
CS5208 - Distributed Systems
Assignment 1 (10 Marks)
Deadline: 28th February 11:59PM

Please do not copy.

1. <https://tour.golang.org/list>

Write code for the equivalent binary trees exercise: <https://tour.golang.org/concurrency/7>
(your answer should be uploaded in the google classroom)

2. Read about the eight queens problem: https://en.wikipedia.org/wiki/Eight_queens_puzzle

Implement code for N queens problem in Go.

3. Read: <https://golang.org/ref/mem>

Read about Semaphores: [https://en.wikipedia.org/wiki/Semaphore_\(programming\)](https://en.wikipedia.org/wiki/Semaphore_(programming))

Implement counting semaphores in Go using channels.