Assignment 1

Q1. Write a program for -

    a. First Come First Served then modify it to Last Come First Served
    b. Round Robin (time quantum can be defined) then modify it to Weighted Round Robin (time quantum can be defined according to weight)
    c. Rate Monotonic (RMA) then modify it to Deadline Monotonic Algorithm (DMA)
    d. Shortest execution time First then modify it to Longest execution time First
    e. Earlier deadline first (EDF) then modify it to Least slack time first (LST)

Consider any set of task; take different set of tasks for all the above methods with minimum 5 tasks in a set. Find out the Schedule.

Q2. Write a program to Implement Cyclic Scheduler.

    a. Consider any set of tasks (with minimum 5 tasks in a set).
    b. Write a program to calculate possible frame sizes.
    c. Draw a schedule with optimal frame size.

Displayed on 19-08-2019
Evaluation: 4, 5, 6 Sept 2019 (whichever is suitable) second half (3 – 5 pm) in my cabin.