Algorithms Lab -4:

10/02/2023

Write the program for the following questions:

1. Consider the following Job sequencing with deadline problem: No. of jobs = 9, deadlines of job are (J1, J2, J3, J4, J5, J6, J7, J8, J9) = (7, 2, 5, 3, 4, 5, 2, 7, 3) profit per job is (P1, P2, P3, P4, P5, P6, P7, P8, P9) = (15, 20, 30, 18, 18, 10, 23, 16, 25).

   Find the optimal solution for the given jobs running the greedy algorithm for the Job sequencing with deadline problem.

2. Consider the following Job sequencing with deadline and penalties problem: No. of jobs = 4, deadlines of job are (J1, J2, J3, J4) = (1, 3, 2, 1), penalty per job is (P1, P2, P3, P4) = (5, 10, 6, 3) and burst time for each job is (T1, T2, T3, T4) = (1, 2, 1, 1).

   Find the optimal solution for the given jobs running the greedy algorithm for the Job sequencing with deadline and penalties problem.