

UCS415 – Design and Analysis of Algorithms

Lab Assignment 2

Write a program to solve the following problems using greedy Greedy approach:

- Activity selection (<https://www.geeksforgeeks.org/activity-selection-problem-greedy-algo-1/>),
- Job sequencing (<https://www.geeksforgeeks.org/job-sequencing-problem/>), and
- Fractional knapsack (<https://www.geeksforgeeks.org/fractional-knapsack-problem/>).
- Huffman Coding (<https://www.geeksforgeeks.org/huffman-coding-greedy-algo-3/>)

Additional Questions:

- <https://www.interviewbit.com/problems/majority-element/>
- <https://www.interviewbit.com/problems/distribute-candy/>
- <https://www.hackerearth.com/practice/algorithms/greedy/basics-of-greedy-algorithms/tutorial/> [Solve the problem available at the end]
- <https://www.codechef.com/problems/SUBSEG2>
- <https://www.codechef.com/problems/FGFS/>
- <https://www.hackerrank.com/challenges/board-cutting/problem>