Lab Sheet 4 21AIE212 Design and Analysis of Algorithms

Academic Year: March-July 2023 S4 B.Tech CSE-AI, 2021 Batch

Questions:

- 1. Implement greedy algorithm for currency exchange. Show the output for at least 5 test cases with different n and denominations. There should be at least one example which demonstrates greedy algorithm does not provide optimal solution.
- 2. Implement the greedy algorithm for Task Scheduling algorithm. What is the time taken for the recursive algorithm ?
- 3. Solve the following leetcode problems:
 - i. Problem 55. Jump Game
 - ii. Problem 455. Assign Cookies
 - iii. Problem 881. Boats to Save People https