

Algorithm Design

Data Structures and Algorithms II

IS 2110

Second Year - Group Assignment 02

Group 29

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Question 01

Question 02

First I created a job class and stored the three values JobID, profit and deadline. Then sorted according to the value of profit in descending order. Then created a new array where I stored the objects where index is equal to the deadline value. The objects which the corresponding deadline value slot is filled, are ignored.

Input: Seven Jobs with following deadlines and profits

JobID	Deadline	Profit
J1	2	90
J2	2	20
J3	1	40
J4	1	30
J5	4	65
J6	1	35
J7	3	50

Expected Output:

Following is maximum profit sequence of jobs

J3, J1, J7, J5

Pass/Fail:

Pass

```
PS H:\UCSC\2002\2110 DSA II\takehome\group2\new> java JobList
Following is maximum profit sequence of jobs :
J3 J1 J7 J5
PS H:\UCSC\2002\2110 DSA II\takehome\group2\new> |
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