Algorithm)

# Driver COde

arr = [['B', 2, 40], # Job Array

['E', 3, 35],

['A', 5, 35],

['G', 4, 30],

['F', 5, 30],

['C', 1, 25],

['D', 1, 20]]

def printJobSch(arr, t):

# length of array

n = len(arr)

# Sort all jobs according to

# decreasing order of profit

for i in range(n):

for j in range(n - 1 - i):

if arr[j][2] < arr[j + 1][2]:

arr[j], arr[j + 1] = arr[j + 1], arr[j]

# To keep track of free time slots

result = [False] \* t

# To store result (Sequence of jobs)

job = ['-1'] \* t

# Iterate through all given jobs

for i in range(len(arr)):

# Find a free slot for this job

# (Note that we start from the

# last possible slot)

for j in range(min(t - 1, arr[i][1] - 1), -1, -1):

# Free slot found

if result[j] is False:

result[j] = True

job[j] = arr[i][0]

break

# print the sequence

print(job)

print("Following is maximum profit sequence of jobs")

printJobSch(arr, 5)