**Job Scheduling :-**

**def printJobScheduling(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**

**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)**

**# Driver Code**

**t = int(input("Enter the total no of jobs"))**

**arr=[]**

**for i in range(t):**

**col = []**

**col.append(i+1)**

**col.append(int(input("Enter Deadline for Job "+str(i+1))))**

**col.append(int(input("Enter profit for Job "+str(i+1))))**

**arr.append(col)**

**print(arr)**

**# Function Call**

**s=int(input("Enter the total job slots available"))**

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

**printJobScheduling(arr, s)**