Program:

```python
# Class to represent a Job

class Job:

    def __init__(self, job_id, deadline, profit):

        self.job_id = job_id

        self.deadline = deadline

        self.profit = profit


# Function to solve the Job Sequencing problem using Greedy strategy

def job_sequencing(jobs, t):

    # Sort jobs by profit in descending order

    jobs.sort(key=lambda x: x.profit, reverse=True)


    result = [False] * t  # Keep track of free time slots

    job_sequence = ['-1'] * t  # To store result (sequence of jobs)

    total_profit = 0  # Total profit


    for job in jobs:

        # Find a free slot for this job (start from the last possible slot)

        for j in range(min(t - 1, job.deadline - 1), -1, -1):

            if not result[j]:

                result[j] = True

                job_sequence[j] = job.job_id

                total_profit += job.profit

                break


    print("Job sequence: ", job_sequence)

    print("Total profit: ", total_profit)


# Input

n = int(input("Enter the number of jobs: "))
```

```python
jobs = []

for i in range(n):

    job_id = input(f"Enter job ID of job {i+1}: ")

    deadline = int(input(f"Enter deadline of job {i+1} (in time slots): "))

    profit = int(input(f"Enter profit of job {i+1}: "))

    jobs.append(Job(job_id, deadline, profit))


t = int(input("Enter the maximum number of time slots available: "))


# Perform the greedy strategy to solve the job sequencing problem

job_sequencing(jobs, t)
```

Output:

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS                                                    >_ Python  + ∨

● PS C:\Users\katur\Music\DAA practicals> & C:/Users/katur/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/katur/Music/DAA practicals/practical5..py"
  Enter the number of jobs: 4
  Enter job ID of job 1: a
  Enter deadline of job 1 (in time slots): 4
  Enter profit of job 1: 20
  Enter job ID of job 2: b
  Enter deadline of job 2 (in time slots): 1
  Enter profit of job 2: 10
  Enter job ID of job 3: c
  Enter deadline of job 3 (in time slots): 1
  Enter profit of job 3: 40
  Enter job ID of job 4: d
  Enter deadline of job 4 (in time slots): 1
  Enter profit of job 4: 30
  Enter the maximum number of time slots available: 3
  Job sequence:  ['c', '-1', 'a']
  Total profit:  60
○ PS C:\Users\katur\Music\DAA practicals> ▏
```