Job Scheduler

The program schedules maximun possible number of jobs n in m machines. Our program uses Python Language

Installation

Job Scheduler requires Python 3 to run.

Install Python 3.

Input Format

You will need a file with name **input.txt** containing details of jobs in following format.
input.txt contains n+1 lines. The first line contains 2 number n and m. Where n are number of jobs and m are the number of machines. The next n lines each contain a
starting time and an ending time for each job.

input.txt

```
5 2
5 8
1 10
1 7
3 4
8 12
```

Output Format

The out is a text file with name **output.txt**.
output.txt contains m+1 lines. The first line gives the maximum number of

jobs you are able to schedule. The next m lines gives the sequences of jobs scheduled on each machine.

output.txt

```
4
4 1 5
3
```

Steps to run the program:

input_file is the path/name of input file.
output_file is the path/name of output file

In the Command line Interface run the following command:

```
python interval_scheduler.py -i <input_file> -o <output_file>
```

Example:

```
python interval_scheduling.py -i "D:\project\input.txt"
                                -o "D:\project\output.txt"

Input file is at "D:\project\input.txt"
Output file is at "D:\project\output.txt"

Scheduling Successful
done in 0.001187s
```