```
C:\Users\Vincent\Code\c-cpp\SE\Labs\DS\LabS\queue_tasks>.\tasks.exe
Input from file

TID:101
TASK:Go run a marathon
DURATION:5.000000
STATUS:NOT DONE

TID:102
TASK:Complete DS File
DURATION:10.000000
STATUS:NOT DONE

TID:103
TASK:Complete OOPs File
DURATION:1.000000
STATUS:NOT DONE

TID:104
TASK:CO Tutorial
DURATION:1.500000
STATUS:NOT DONE

TID:105
TASK:Maths
DURATION:3.000000
STATUS:NOT DONE

TID:106
TASK:Starters 59
DURATION:3.000000
STATUS:NOT DONE

TID:107
TASK:Study for IT: DS
DURATION:10.000000
STATUS:NOT DONE
```

```
Enter:
 1 to add task to scheduler
 2 to run top-priority task
 3 to display tasks in queue
 4 to exit
 :1
Enter TaskID of task to be scheduled:105
Scheduling task : Maths

Enter:
 1 to add task to scheduler
 2 to run top-priority task
 3 to display tasks in queue
 4 to exit
 :1
Enter TaskID of task to be scheduled:103
Scheduling task : Complete OOPs File

Enter:
 1 to add task to scheduler
 2 to run top-priority task
 3 to display tasks in queue
 4 to exit
 :1
Enter TaskID of task to be scheduled:102
Scheduling task : Complete DS File

Enter:
 1 to add task to scheduler
 2 to run top-priority task
 3 to display tasks in queue
 4 to exit
 :
```

```
Enter:
 1 to add task to scheduler
 2 to run top-priority task
 3 to display tasks in queue
 4 to exit
 :3
Scheduled tasks!!!
--------------------

TID:105
TASK:Maths
DURATION:3.000000
STATUS:Scheduled

TID:103
TASK:Complete OOPs File
DURATION:1.000000
STATUS:Scheduled

TID:102
TASK:Complete DS File
DURATION:10.000000
STATUS:Scheduled
```

```
Enter:
 1 to add task to scheduler
 2 to run top-priority task
 3 to display tasks in queue
 4 to exit
 :2

TID:105
TASK:Maths
DURATION:3.000
Task in progess...

STATUS:Completed

Enter:
 1 to add task to scheduler
 2 to run top-priority task
 3 to display tasks in queue
 4 to exit
 :2

TID:103
TASK:Complete OOPs File
DURATION:1.000
Task in progess...

STATUS:Completed
```