**OUTPUT:-**

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

1

Enter the task ID.

100

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

1

Enter the task ID.

200

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

1

Enter the task ID.

100

Task cannot be scheduled.

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

1

Enter the task ID.

300

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

1

Enter the task ID.

400

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

1

Enter the task ID.

500

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

1

Enter the task ID.

550

The minimum and maximum waiting times are 5 seconds and 26 seconds respectively.

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

3

The details of queued tasks are :

TaskId: 100

TaskTitle: New1

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 200

TaskTitle: New2

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 300

TaskTitle: New3

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 400

TaskTitle: New4

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 500

TaskTitle: New5

TaskDuration: 6

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

2

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

3

The details of queued tasks are :

TaskId: 200

TaskTitle: New2

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 300

TaskTitle: New3

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 400

TaskTitle: New4

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 500

TaskTitle: New5

TaskDuration: 6

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

1

Enter the task ID.

550

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

3

The details of queued tasks are :

TaskId: 200

TaskTitle: New2

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 300

TaskTitle: New3

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 400

TaskTitle: New4

TaskDuration: 5

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 500

TaskTitle: New5

TaskDuration: 6

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TaskId: 550

TaskTitle: New6

TaskDuration: 6

Status: Q

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter 1 to schedule a task.

Enter 2 to run the task at start of queue.

Enter 3 to display details of tasks that are queued up.

Enter 4 to exit.

4