

ADD TASK -

The screenshot shows an Eclipse IDE interface with a terminal window titled "Console". The terminal output is as follows:

```
01
Enter task name: SubmitProject02
Enter priority level: 01
Enter due date: 11/12/2023
ADDED TASK!!!

| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT
| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER

06
Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both
01
| TO-DO-LIST
| I-DontWantThis      Priority-Level:9    Due:11/12/2023
Task:BuyJuicyFlowers;  Priority-Level:1    Due:11/13/2023
Task:(CSC331)Midterm#02 Priority-Level:2   Due:11/14/2023
Task:(CSC311)Midterm#02 Priority-Level:2   Due:11/14/2023
Task:(CSC311)Project#02 Priority-Level:1   Due:11/12/2023
Task:(CSC321)Project#02 Priority-Level:3   Due:11/19/2023
Task:SubmitProject#02 Priority-Level:1   Due:11/12/2023

| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT
| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
```

The application has added a new task named "SubmitProject02" with a priority level of 01 and a due date of 11/12/2023. It then displays a menu for managing tasks, specifically the "DISPLAY LIST(S)" option, which shows the current to-do list.

REMOVE FROM FRONT OF QUEUE: task: removethis

```
04 | UNDO PREVIOUS OPTION(01, 02, or 03)
05 | SORT TO-DO-LIST
06 | DISPLAY LIST(S)
07 | EXIT SCHEDULER

02
Enter 01: to Remove Queued Task || Enter 02: Remove by Name: 01
REMOVED TASK

| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT

| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER

06
Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both
01
| TO-DO-LIST
Task:BuyJupiFlowers: Priority-level:1 Due:11/13/2023
Task:(CSC311)Midterm#02 Priority-Level:1 Due:11/14/2023
Task:(CSC311)Midterm#02 Priority-Level:2 Due:11/14/2023
Task:(CSC311)Project#02 Priority-Level:1 Due:11/12/2023
Task:(CSC321)Project#02 Priority-Level:3 Due:11/19/2023
Task:SubmitProject#02 Priority-Level:1 Due:11/12/2023

| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT

| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
```

REMOVE BY NAME:

```
04 | UNDO PREVIOUS OPTION(01, 02, or 03)
05 | SORT TO-DO-LIST
06 | DISPLAY LIST(S)
07 | EXIT SCHEDULER

02
Enter 01: to Remove Queued Task || Enter 02: Remove by Name: 02
Enter Name of Task to be removed: SubmitProject#02
REMOVED TASK

| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT

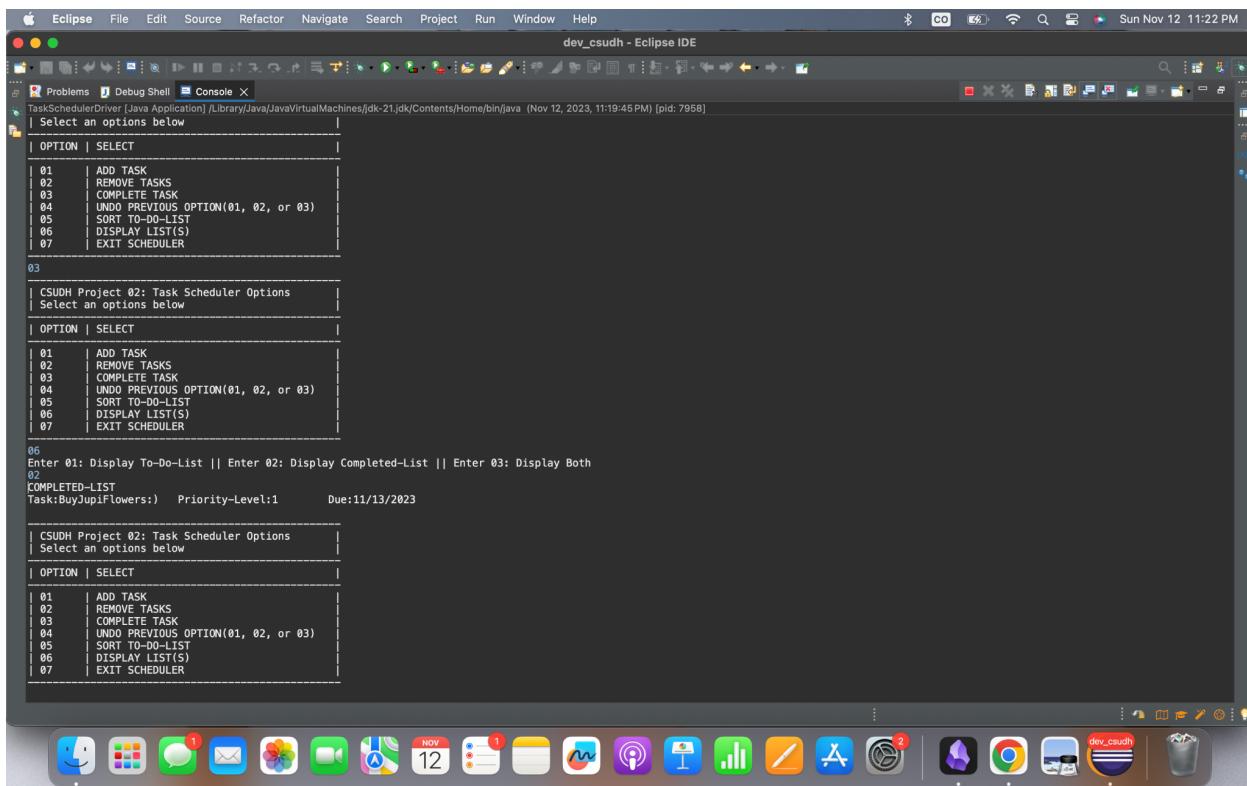
| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER

06
Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both
01
| TO-DO-LIST
Task:BuyJupiFlowers: Priority-Level:1 Due:11/13/2023
Task:(CSC311)Midterm#02 Priority-Level:2 Due:11/14/2023
Task:(CSC311)Midterm#02 Priority-level:2 Due:11/14/2023
Task:(CSC311)Project#02 Priority-Level:1 Due:11/12/2023
Task:(CSC321)Project#02 Priority-Level:3 Due:11/19/2023

| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT

| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
```

COMPLETE TASK



The screenshot shows the Eclipse IDE interface with the title bar "dev_csudh - Eclipse IDE". The "Console" tab is selected, displaying the output of a Java application named "TaskSchedulerDriver". The application's main menu is visible at the top of the console window. The application's logic is as follows:

- Option 03: COMPLETE TASK
- Option 04: UNDO PREVIOUS OPTION(01, 02, or 03)
- Option 05: SORT TO-DO-LIST
- Option 06: DISPLAY LIST(S)
- Option 07: EXIT SCHEDULER

When Option 03 is selected, it adds a task to the list. When Option 04 is selected, it removes the last task added. When Option 06 is selected, it displays the current list of tasks.

At the bottom of the console, the user has entered "02" to undo the previous addition of a task. The application then displays the updated list of tasks:

```
CSUDH Project 02: Task Scheduler Options
Select an options below

| OPTION | SELECT

| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER

03
CSUDH Project 02: Task Scheduler Options
Select an options below

| OPTION | SELECT

| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER

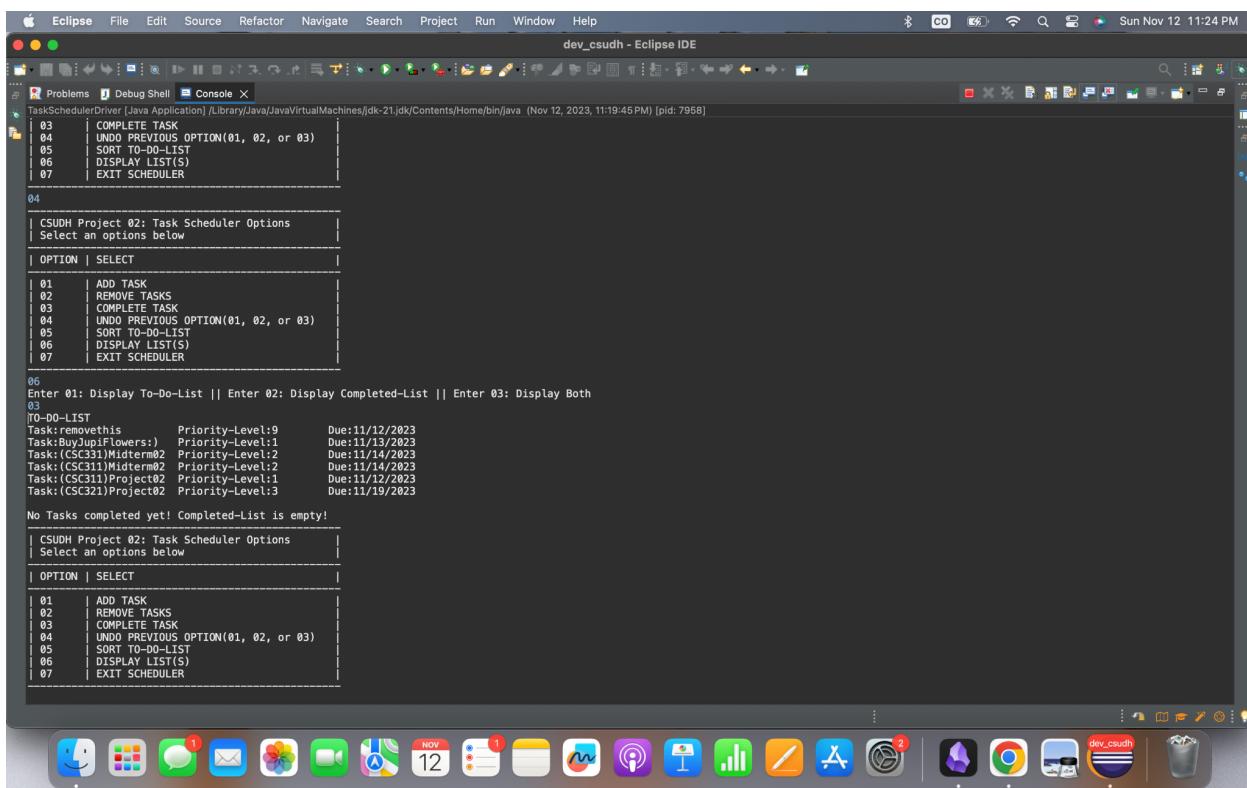
06
Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both
02
COMPLETED-LIST
Task:BuyJujuiflowers: Priority-Level:1 Due:11/13/2023

| CSUDH Project 02: Task Scheduler Options
| Select an options below

| OPTION | SELECT

| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
```

UNDO COMPLETE



This screenshot shows the same Eclipse IDE setup as the previous one, but with different task data. The application's logic remains the same, but the initial state of the task list is different.

When Option 03 (COMPLETE TASK) is selected, it adds a task to the list. When Option 04 (UNDO PREVIOUS OPTION) is selected, it removes the last task added. When Option 06 (DISPLAY LIST) is selected, it shows the current list of tasks.

In this instance, the user has completed a task ("BuyJujuiflowers") and then undone it, resulting in an empty list:

```
CSUDH Project 02: Task Scheduler Options
Select an options below

| OPTION | SELECT

| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER

03
CSUDH Project 02: Task Scheduler Options
Select an options below

| OPTION | SELECT

| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER

04
Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both
03
TO-DO-LIST
Task:removethis Priority-Level:9 Due:11/12/2023
Task:BuyJujuiflowers: Priority-Level:1 Due:11/13/2023
Task:(CS3311)Midterm02 Priority-Level:2 Due:11/14/2023
Task:(CS3311)Midterm02 Priority-Level:2 Due:11/14/2023
Task:(CS3311)Project02 Priority-Level:11 Due:11/12/2023
Task:(CS3321)Project02 Priority-Level:3 Due:11/19/2023

No Tasks completed yet! Completed-List is empty!

| CSUDH Project 02: Task Scheduler Options
| Select an options below

| OPTION | SELECT

| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
```

Undo FrontREMOVE

```
Eclipse File Edit Source Refactor Navigate Search Project Run Window Help
dev_csuuh - Eclipse IDE
Problems Debug Shell Console X
TaskSchedulerDriver [Java Application] /Library/Java/JavaVirtualMachines/jdk-21.jdk/Contents/Home/bin/java (Nov 12, 2023, 11:19:45 PM) [pid: 7958]
02 | REMOVE TASKS
03 | COMPLETE TASK
04 | UNDO PREVIOUS OPTION(01, 02, or 03)
05 | SORT TO-DO-LIST
06 | DISPLAY LIST(S)
07 | EXIT SCHEDULER
04
CSUH Project 02: Task Scheduler Options
Select an options below
OPTION | SELECT
01 | ADD TASK
02 | REMOVE TASKS
03 | COMPLETE TASK
04 | UNDO PREVIOUS OPTION(01, 02, or 03)
05 | SORT TO-DO-LIST
06 | DISPLAY LIST(S)
07 | EXIT SCHEDULER
06
Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both
03
TO-DO-LIST
Task:BuyJugsFlowers: Priority-Level:1 Due:11/13/2023
Task:(CSC221)Midterm02 Priority-Level:2 Due:11/14/2023
Task:(CSC311)Midterm02 Priority-Level:2 Due:11/14/2023
Task:(CSC311)Project02 Priority-Level:1 Due:11/12/2023
Task:(CSC321)Project02 Priority-Level:3 Due:11/19/2023
No Tasks completed yet! Completed-List is empty!
CSUH Project 02: Task Scheduler Options
Select an options below
OPTION | SELECT
01 | ADD TASK
02 | REMOVE TASKS
03 | COMPLETE TASK
04 | UNDO PREVIOUS OPTION(01, 02, or 03)
05 | SORT TO-DO-LIST
06 | DISPLAY LIST(S)
07 | EXIT SCHEDULER
```

Undo ADD

```
dev_csu - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Sun Nov 12 11:29 PM
Problems Debug Shell Console
TaskSchedulerDriver [Java Application] /Library/Java/JavaVirtualMachines/dk-21.jdk/Contents/Home/bin/java (Nov 12, 2023, 11:26:59 PM) [pid: 7991]
| 07 | EXIT SCHEDULER
01
Enter task name: undoAdd
Enter priority level: 10
Enter due date: 11/12/2023
ADDED TASK!!!
| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT
| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
06
Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both
01
TO-DO-LIST
Task:removethis Priority-Level:9 Due:11/12/2023
Task:BuyUpFlowers() Priority-Level:1 Due:11/13/2023
Task:(CSC331)Midterm02 Priority-Level:2 Due:11/14/2023
Task:(CSC331)Midterm02 Priority-Level:2 Due:11/14/2023
Task:(CSC331)Project02 Priority-Level:1 Due:11/12/2023
Task:(CSC321)Project02 Priority-Level:3 Due:11/19/2023
Task:undoAdd Priority-Level:10 Due:11/12/2023
| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT
| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
```

```
dev_csu - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Sun Nov 12 11:29 PM
Problems Debug Shell Console
TaskSchedulerDriver [Java Application] /Library/Java/JavaVirtualMachines/dk-21.jdk/Contents/Home/bin/java (Nov 12, 2023, 11:26:59 PM) [pid: 7991]
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
04
| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT
| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
05
Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both
01
TO-DO-LIST
Task:removethis Priority-Level:9 Due:11/12/2023
Task:BuyUpFlowers() Priority-Level:1 Due:11/13/2023
Task:(CSC331)Midterm02 Priority-Level:2 Due:11/14/2023
Task:(CSC331)Midterm02 Priority-Level:2 Due:11/14/2023
Task:(CSC331)Project02 Priority-Level:1 Due:11/12/2023
Task:(CSC321)Project02 Priority-Level:3 Due:11/15/2023
| CSUDH Project 02: Task Scheduler Options
| Select an options below
| OPTION | SELECT
| 01 | ADD TASK
| 02 | REMOVE TASKS
| 03 | COMPLETE TASK
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
```

Sorting

The screenshot shows the Eclipse IDE interface with a Java application running in the foreground. The application displays a menu of options:

```
| 04 | UNDO PREVIOUS OPTION(01, 02, or 03)
| 05 | SORT TO-DO-LIST
| 06 | DISPLAY LIST(S)
| 07 | EXIT SCHEDULER
```

Option 05 is selected, resulting in the output:

SORTING TO-DO-LIST!!!
To-Do-List Sorted

CSUDH Project 02: Task Scheduler Options
Select an options below

OPTION	SELECT
01	ADD TASK
02	REMOVE TASKS
03	COMPLETE TASK
04	UNDO PREVIOUS OPTION(01, 02, or 03)
05	SORT TO-DO-LIST
06	DISPLAY LIST(S)
07	EXIT SCHEDULER

Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both

01
TO-DO-LIST

Task	Project	Priority-Level	Due
Task:BuyUp(Flowers)	(CSC311)Project02	1	11/12/2023
Task:(CSC331)Midterm02	(CSC331)Midterm02	2	11/13/2023
Task:(CSC331)Midterm02	(CSC331)Midterm02	2	11/14/2023
Task:(CSC321)Project02	(CSC321)Project02	3	11/19/2023
Task:removethis		9	11/12/2023

02
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CSUDH Project 02: Task Scheduler Options
Select an options below

OPTION	SELECT
01	ADD TASK
02	REMOVE TASKS
03	COMPLETE TASK
04	UNDO PREVIOUS OPTION(01, 02, or 03)
05	SORT TO-DO-LIST
06	DISPLAY LIST(S)
07	EXIT SCHEDULER

08
Enter 01: Display To-Do-List || Enter 02: Display Completed-List || Enter 03: Display Both

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20 ELEMENTS >

The screenshot shows the Eclipse IDE interface on a Mac OS X desktop. The title bar reads "dev_csuuh - DHTaskManager/src/TaskSchedulerDriver.java - Eclipse IDE". The main workspace contains two tabs: "TaskSchedule..." and "Console". The "Console" tab displays a list of tasks from a file named "listoftasks.txt". The tasks are listed as follows:

Task ID	Description	Priority-Level	Due Date
Task:renewthis	Priority-level:9	Due:11/12/2023	
Task:BuyUpIfFlowers:	Priority-level:1	Due:11/13/2023	
Task:(CSC311)Midterm02	Priority-level:2	Due:11/14/2023	
Task:(CSC311)Project02	Priority-level:1	Due:11/12/2023	
Task:(CSC321)Project02	Priority-level:3	Due:11/19/2023	
Task:T1	Priority-level:4	Due:2023	
Task:T1	Priority-Level:1	Due:2023	
Task:T1	Priority-Level:2	Due:2023	
Task:T1	Priority-Level:3	Due:2023	
Task:T1	Priority-Level:4	Due:2023	
Task:T1	Priority-Level:5	Due:2023	
Task:T1	Priority-Level:6	Due:2023	
Task:T1	Priority-Level:7	Due:2023	
Task:T1	Priority-Level:8	Due:2023	
Task:T1	Priority-Level:9	Due:2023	
Task:T1	Priority-Level:10	Due:2023	
Task:T1	Priority-Level:11	Due:2023	
Task:T1	Priority-Level:12	Due:2023	
Task:T1	Priority-Level:13	Due:2023	
Task:T1	Priority-Level:14	Due:2023	
Task:T1	Priority-Level:15	Due:2023	
Task:T1	Priority-Level:16	Due:2023	
Task:T1	Priority-Level:17	Due:2023	
Task:T1	Priority-Level:18	Due:2023	
Task:T1	Priority-Level:19	Due:2023	

Below the console, a terminal window titled "CSUDH Project 02: Task Scheduler Options" is open, showing a menu:

OPTION	SELECT
01	ADD TASK
02	REMOVE TASK
03	COMPLETE TASK
04	UNDO PREVIOUS OPTION(01, 02, or 03)
05	SORT TO-DO-LIST
06	DISPLAY LIST(S)
07	EXIT SCHEDULER

The Mac OS X dock at the bottom of the screen shows various application icons, including Finder, Mail, Safari, and others.