**Basics**

1. execute "help" for instructions.

Text, letter

Description automatically generated

1. execute "list" without running any jobs or tests and check output.

Text

Description automatically generated with medium confidence

1. change policy to "fcfs","sjf","priority" with no jobs in queue.

Find below the output generated for these cases:

Table

Description automatically generated with low confidence

1. execute "quit" without running any jobs or tests.

The help command shows two options of the quit command:

* quit 🡪 immediate exit.

Table

Description automatically generated

1. execute "foo" command to check for error handling.

Text

Description automatically generated

**"run" command**

1. run short job with FCFS policy, check output with list, and quit.

This program is designed to display the message: *“No jobs in the queue”* for the following cases:

* when we execute list command when there is any running job
* there is a job running in the queue and no pending jobs.
* there are completed jobs, and no pending jobs.
* there are completed jobs, one running but no pending jobs.

In case of pending jobs, the message will not be displayed.

Table

Description automatically generated

1. run short job with SJF policy, check output with list, and quit

Table

Description automatically generated

1. run short job with Priority policy, check output with list, and quit.

Table

Description automatically generated

4. run 5 long jobs with arbitrary policy, change to Priority policy, check for re-scheduling

5. run 5 long jobs with arbitrary policy, change to FCFS policy, check for re-scheduling

6. run 5 long jobs with arbitrary policy, change to SJF policy, check for re-scheduling

Table

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Table

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**"test" command**

Find below various error-checking cases to guarantee the proper usage of the batch scheduler for users.

Graphical user interface, text, application, email

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Text

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A picture containing text

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