**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 3: Using a Cluster**

**Lesson 3: Using a Linux Command Line**

**Sample Assessment**

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*We want to hear from you! Please let us know your experiences using this material by sending email to* [*petascale@shodor.org*](mailto:petascale@shodor.org)

Prerequisite Assessment

* Submit screenshots of Linux CLI environment.

Assessment 1: Understand the REPL concepts

* Display messages to terminal using **echo**

Assessment 2: Understand directory tree structures and relative/absolute path

* Given a directory tree, require students to provide/select the correct command to change from one directory to another.
* Given a directory and a sequence of command, ask students to provide/select the correct outcome of pwd.

Assessment 3: Creating/editing files

* Ask students to create a file with some contents.
* Ask students to download an existing file and modify its contents.

Assessment 4: Deleting files/directories

* Ask students to download a zipped file containing some directory structures, then to delete certain directories/files.