



# Assignment 2: Basic Scripting

Course: OSYS2022/4239/Linux Scripting(B)/McLeod,Ronald

Tasks 1 + 3	Demonstrated Skill 10 points	Partially Demonstrated Skill 5 points	Failed to Demonstrate Skill 0 points	Criterion Score
Task 1: Script creation & configuration	<p>Demonstration of the skill meets <b>ALL</b> of the following criteria:</p> <ul style="list-style-type: none"> <li>• Stored in ~/bin directory</li> <li>• Includes a correct shebang</li> <li>• Permissions are correctly configured so owner can execute, no permissions for anyone else</li> <li>• \$PATH variable lists ~/bin directory</li> </ul>	<p>Demonstration of the skill partially meets the 'Demonstrated Skills' criteria but failed to meet the criteria fully.</p>	<p>Failed to demonstrate the skill due to <b>at least one</b> of the following:</p> <ul style="list-style-type: none"> <li>• Screenshot s not included in documenta tion</li> <li>• Documenta tion not submitted</li> <li>• None of the criteria were met</li> </ul>	/ 10

Tasks 1 + 3	Demonstrated Skill 10 points	Partially Demonstrated Skill 5 points	Failed to Demonstrate Skill 0 points	Criterion Score
Task 1: Script contents	<p>Demonstration of the skill meets <b>ALL</b> of the following criteria:</p> <ul style="list-style-type: none"> <li>• Script displays the kernel name, kernel release, and kernel version on one line of output</li> <li>• Script displays free memory</li> <li>• Script displays free storage space</li> <li>• Script displays top 5 processes sorted by memory usage</li> </ul>	<p>Demonstration of the skill partially meets the 'Demonstrated Skills' criteria but failed to meet the criteria fully.</p>	<p>Failed to demonstrate the skill due to <b>at least one</b> of the following:</p> <ul style="list-style-type: none"> <li>• Script contents not included in documentation</li> <li>• Documentation not submitted</li> <li>• None of the criteria were met</li> </ul>	/ 10

Tasks 1 + 3	Demonstrated Skill 10 points	Partially Demonstrated Skill 5 points	Failed to Demonstrate Skill 0 points	Criterion Score
Task 1: Script output	<p>Demonstration of the skill meets <b>ALL</b> of the following criteria:</p> <ul style="list-style-type: none"> <li>• All output is redirected to a file</li> <li>• Script creates two blank lines above output from each tool</li> <li>• Script creates a 'heading' above each portion of the output stating what the output is of</li> </ul>	<p>Demonstration of the skill partially meets the 'Demonstrated Skills' criteria but failed to meet the criteria fully.</p>	<p>Failed to demonstrate the skill due to <b>at least one</b> of the following:</p> <ul style="list-style-type: none"> <li>• Script contents not included in documentation</li> <li>• Documentation not submitted</li> <li>• None of the criteria were met</li> </ul>	/ 10

Tasks 1 + 3	Demonstrated Skill 10 points	Partially Demonstrated Skill 5 points	Failed to Demonstrate Skill 0 points	Criterion Score
Task 1: Script Execution	<p>Demonstration of the skill meets <b>ALL</b> of the following criteria:</p> <ul style="list-style-type: none"> <li>• Script executes without any errors that impact it providing the required information and output</li> <li>• Output of script does not differ from what student referenced in documentation</li> <li>• Script correctly creates output file</li> </ul>	<p>Demonstration of the skill partially meets the 'Demonstrated Skills' criteria but failed to meet the criteria fully.</p>	<p>Failed to demonstrate the skill due to <b>at least one</b> of the following:</p> <ul style="list-style-type: none"> <li>• Copy/paste of script text not included in documentation</li> <li>• Documentation not submitted</li> <li>• None of the criteria were met</li> </ul>	/ 10

Tasks 1 + 3	Demonstrated Skill 10 points	Partially Demonstrated Skill 5 points	Failed to Demonstrate Skill 0 points	Criterion Score
Task 3: Cron job configuration	Demonstration of the skill meets <b>ALL</b> of the following criteria: <ul style="list-style-type: none"><li>• Cron job created under users account</li><li>• Cron job runs at 6:30am</li><li>• Cron job runs every day of the week, every day of the month</li></ul>	Demonstration of the skill partially meets the 'Demonstrated Skills' criteria but failed to meet the criteria fully.	Failed to demonstrate the skill due to <b>at least one</b> of the following: <ul style="list-style-type: none"><li>• Screenshot s not included in documenta tion</li><li>• Documenta tion not submitted</li><li>• None of the criteria were met</li></ul>	/ 10

Tasks 1 + 3	Demonstrated Skill 10 points	Partially Demonstrated Skill 5 points	Failed to Demonstrate Skill 0 points	Criterion Score
Task 3: Question 1	<p>Demonstration of the skill meets <b>ALL</b> of the following criteria:</p> <ul style="list-style-type: none"> <li>• Answer to question 1 correctly identifies each of the five numbers</li> <li>• Answer to question 1 answers the five numbers in the correct order from left to right</li> </ul>	<p>Demonstration of the task partially meets the 'Successfully Completed' criteria but failed to meet the criteria fully.</p>	<p>Failed to demonstrate the skill due to <b>at least one</b> of the following:</p> <ul style="list-style-type: none"> <li>• Answers not included in documentation</li> <li>• Documentation not submitted</li> <li>• None of the criteria were met</li> </ul>	/ 10
Task 3: Question 2	<p>Demonstration of the skill meets <b>ALL</b> of the following criteria:</p> <ul style="list-style-type: none"> <li>• Answer to question 2 correctly identifies when the cron job will execute</li> </ul>	<p>Demonstration of the task partially meets the 'Successfully Completed' criteria but failed to meet the criteria fully.</p>	<p>Failed to demonstrate the skill due to <b>at least one</b> of the following:</p> <ul style="list-style-type: none"> <li>• Answers not included in documentation</li> <li>• Documentation not submitted</li> <li>• None of the criteria were met</li> </ul>	/ 10

Task 2	Demonstrated Skill 30 points	Partially Demonstrated Skill 15 points	Failed to Demonstrate Skill 0 points	Criterion Score
Task 2: Comments	<p>Demonstration of the skill meets <b>ALL</b> of the following criteria:</p> <ul style="list-style-type: none"> <li>Each line is spoken to and explained fully (be sure to explain all commands, not just the first on the line)</li> <li>Comments consistently reference specific commands and details</li> <li>Comments do not use general/vague terms</li> </ul>	<p>Demonstration of the skill partially meets the 'Demonstrated Skills' criteria but failed to meet the criteria fully.</p>	<p>Failed to demonstrate the skill due to <b>at least one</b> of the following:</p> <ul style="list-style-type: none"> <li>Comments not included in the script</li> <li>Documentation not submitted</li> <li>None of the criteria were met</li> </ul>	/ 30

Total

/ 100

## Overall Score

### Honours

80 points minimum

### Pass

60 points minimum

### Fail

0 points minimum