

**LAB**

**LINUX SYSTEM ADMINISTRATION**

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VERSION 2

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**LAB:** LAB26-01

**OBJECTIVE**: The objective of this lab is to learn how to write BASH scripts.

**INSTRUCTIONS**: These labs will test your ability to actively research how to perform a required action on a Linux operating system. All questions asked (below) should be included in a lab report. This lab report should be written in Microsoft Word and include a numbered list corresponding to the task (below). This list must include a clear screenshot of the command and its output. Please follow the instructions for submitting this assignment on Blackboard.

* You should be logged in as ***labuser1*** with the password ‘P@$$w0rd’
* You must be in the /labs/CH26 folder to complete this lab.

**BASH**

1. Using your book and the Internet as a reference, write a BASH script that meets the following criteria:
   1. Using a looping structure, count from 1-10 in one-step increments.
   2. Using a looping structure, count from 1-10 in two-step increments.
   3. Using a looping structure, count from 1-10 in five-step increments.
2. Using your book and the Internet as a reference, write a BASH script that calculates the difference between your weight on the Earth and the moon. As a reference, you are 16.5% lighter on the moon. The BASH script must meet the following criteria:
   1. You must use a constant variable that holds the percentage difference.
   2. You must prompt the user to enter their weight on Earth.
   3. If your moon weight results in a decimal, you must truncate that decimal to two decimal places.
   4. You must print your weight on the moon.
   5. Your logic must be correct.

**NOTE**: Please include a copy of the script and a demonstration of it working in your lab report.