**CIS-21A-45405 Linux Operating System Administration**

**Project: Bash Shell Loop Script**

While the course material does not cover bash shell scripts in detail or loops for that matter, I include them as they are something you need to know for your career and specifically for the cyber security field which is the program this course is a part of. You can build upon what you learned in the first simple shell script project here.

All programming languages provide for loops of some sort. You can remember this concept by using the mnemonic BLT which stands for Branching, Looping and Testing.

You can research these topics on your own. In this project we are concerned with loops which include a For, While or Until function that will do something FOR x times or WHILE some logical test is true or UNTIL some some logical test criteria is met. Don't panic yet!

Here are a couple of Bash loop related resources you can use to help you grasp the concept and write a simple bash script that contains a loop action.

[https://linoxide.com/linux-how-to/learn-about-linux-bash-loop-examples/ (Links to an external site.)](https://linoxide.com/linux-how-to/learn-about-linux-bash-loop-examples/)

[https://ryanstutorials.net/bash-scripting-tutorial/bash-loops.php (Links to an external site.)](https://ryanstutorials.net/bash-scripting-tutorial/bash-loops.php)

Write a bash shell script that uses one or more loops e.g. **while**, **until**, **for** etc.

NOTE: **DO NOT** get too fancy. A simple bash shell with an iterative process is all I am looking for to expose you to loops, while and if then statements.

Just like the first script project, be sure your shell script is **self contained and will run on my machine.** Do not make assumptions about location or existing files, variables, content in files etc.

You can ask for input into your process and must output some result.

**Do not** do cleanup or remove files at the end of the script - I want to see the output. I will run this on a VM and can revert to a snapshot.

**Spend a bit of time understanding and making sure your script works. You will need to incorporate this into your final project at the end of class.**

**Submission status**

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| **Attempt number** | This is attempt 1 ( 3 attempts allowed ). |
| **Submission status** | No attempt |
| **Grading status** | Not graded |
| **Due date** | Monday, 19 July 2021, 12:00 AM |
| **Time remaining** | 10 hours 48 mins |
| **Last modified** | - |
| **Submission comments** | [Show comments](https://lms.netacad.com/mod/assign/view.php?id=23161560&rownum=0&useridlistid=60f48ae3e440a926169381&action&nonjscomment=1&comment_itemid=2961751&comment_context=45838340&comment_component=assignsubmission_comments&comment_area=submission_comments)[Comments (0)](https://lms.netacad.com/mod/assign/view.php?id=23161560) |

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