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Course, Year and Section: BSIT2A

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Subject: Platform Technologies

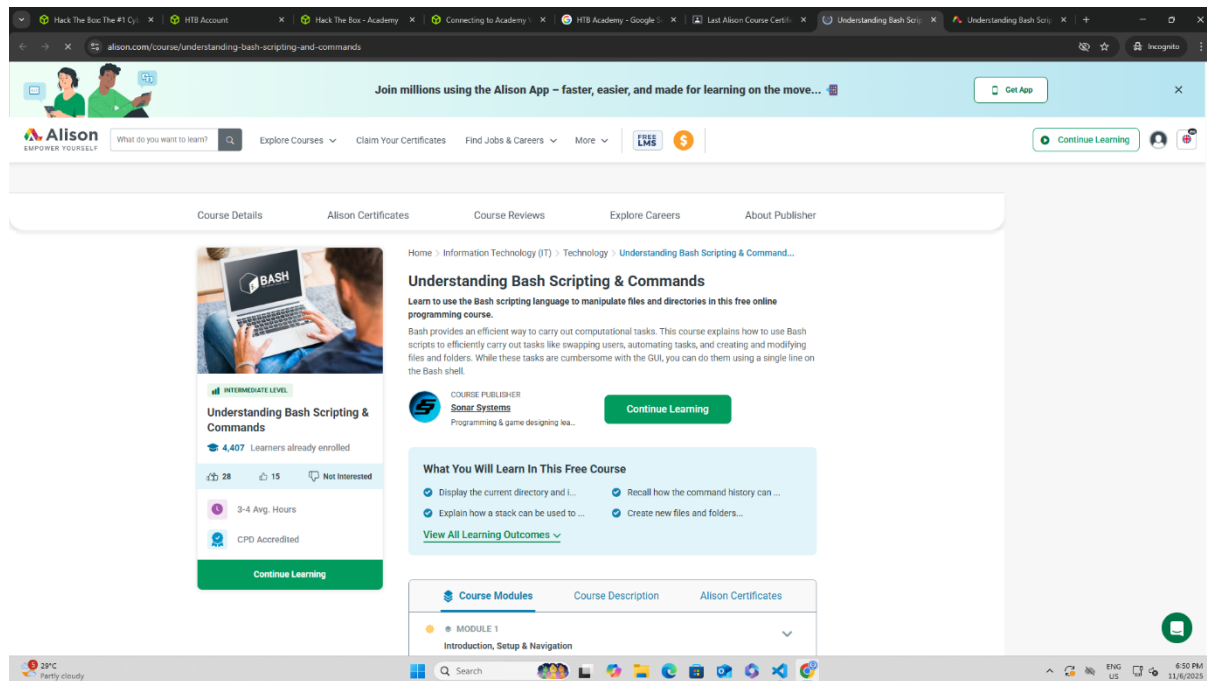
Lesson 4 – Assessment 4 (Laboratory Activity):

Alison Course Completion + Understanding Bash Scripting & Commands

Activity Title:

Understanding Bash Scripting & Commands

1st Screenshot



2nd Screenshot

The screenshot shows the Udacity course interface for 'Understanding Bash Scripting & Commands'. The main content area displays a video player with the title 'Displaying the Current Directory' and the subtitle 'INTRODUCTION, SETUP & NAVIGATION'. The video player has a progress bar and a play button. On the right side, there is a user profile for 'Shanne Erandio' with a 'Finish Your Profile' button and a progress indicator of 0%. Below the profile, there are several links: 'Claim Your Certificates', 'Your Dashboard', 'Your Achievements', 'Recommended For You', 'Career Ready Plan', 'Create Resume', 'Change Language', 'Account Settings', 'FAQs', and 'Logout'. At the bottom, there is a 'Module 1 Progress' bar showing 0% completion and a 'Previous' button.

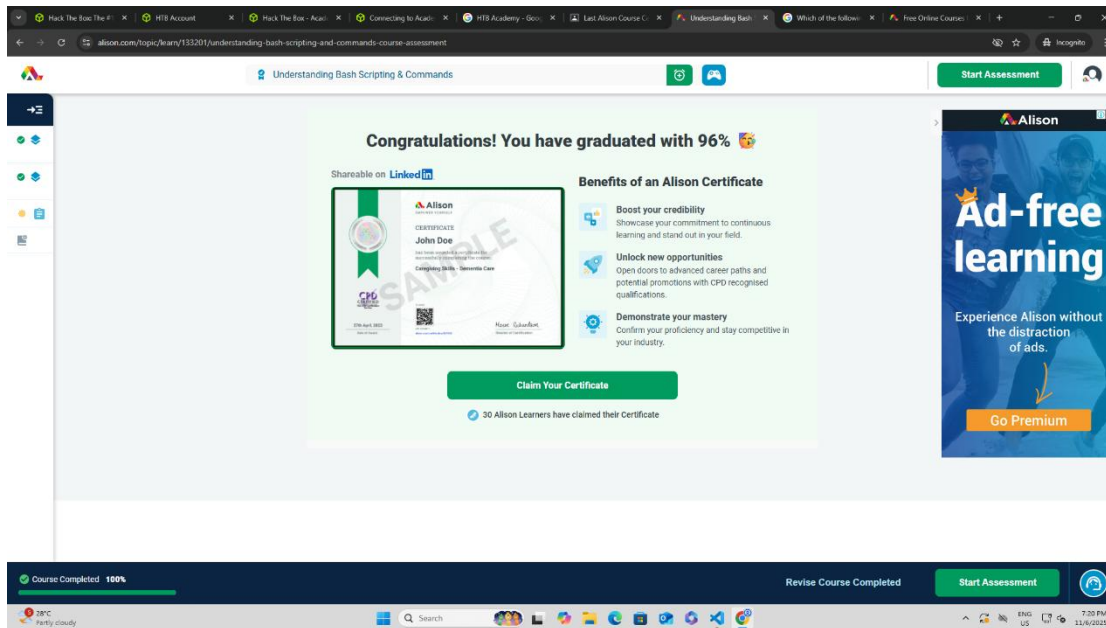
3rd Screenshot

The screenshot shows the 'Final Course Assessment' for the 'Understanding Bash Scripting & Commands' course. The question is: 'Which of the following lines would display decimals? Click on the correct area of the image (a blue circle with a cross will appear)'. The code provided is:

```
10 echo $result
11 echo $num1/7 | bc
12 echo $num1/7 | bc -l
```

The correct answer is line 12, which is highlighted with a green checkmark and the word 'Correct'. On the right side, there is a 'monday.com' advertisement for 'monday sidekick' plans, which 'writes and optimizes for you'. The ad includes a 'Start free trial' button and a 'Creative campaign tracker' section. At the bottom, there is a 'Course assessment Progress' bar showing 0% completion and a 'Next' button.

4th Screenshot



Reflection on “Understanding Bash Scripting & Commands”

The *Understanding Bash Scripting & Commands* module provided me with a solid foundation in using the Bash shell to perform and automate various computational tasks. Before this course, I often relied heavily on graphical user interfaces (GUIs) to manage files and directories. However, I have come to appreciate how Bash scripting offers a far more efficient, flexible, and powerful way to interact with the system. I learned how simple commands can accomplish complex tasks, such as creating, modifying, and organizing files or directories, often with just a single line of code.

One of the most valuable lessons from this module was understanding how Bash scripts can automate repetitive tasks. By writing and executing shell scripts, I realized that I could save significant time and reduce human error in routine processes like backups, updates, and permission changes. Additionally, learning to switch between users and manage access through the terminal deepened my understanding of system administration and security.

This module also improved my logical thinking and problem-solving skills. Writing Bash scripts requires careful attention to syntax, sequence, and flow control structures such as loops and conditional statements. I enjoyed experimenting with different command combinations and seeing how they interact within a script.

Overall, the course has enhanced my confidence in using the command line and inspired me to incorporate Bash scripting into my daily computing tasks. It emphasized the importance of automation and efficiency—key principles in programming and system management.