**CYBER SECURITY & ETHICAL HACKING**

**Assessment - 2**

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**CAMPUS:** VIT AP University

**TITLE:** Bash Shell Basics

**Task 1: File and Directory Manipulation**

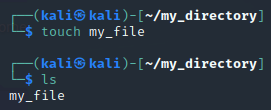
1. Create a directory called "my\_directory".



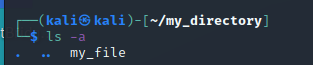
1. Navigate into the "my\_directory".



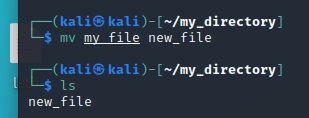
1. Create an empty file called "my\_file.txt".



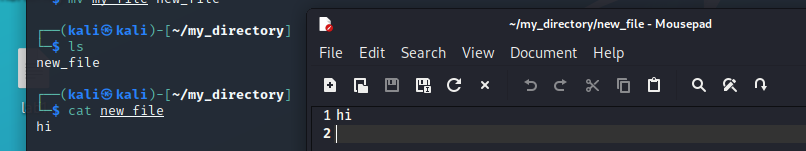
1. List all the files and directories in the current directory.



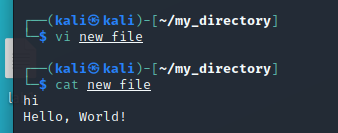
1. Rename "my\_file.txt" to "new\_file.txt".

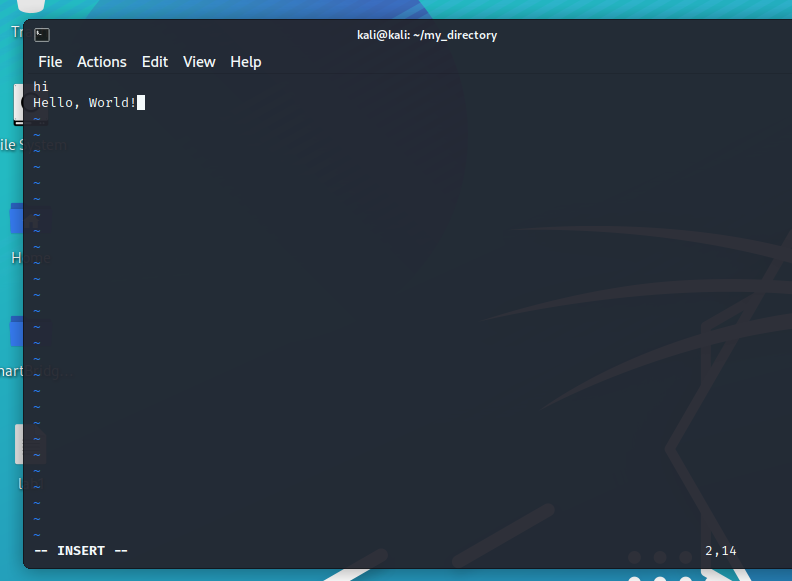


1. Display the content of "new\_file.txt" using a pager tool of your choice.

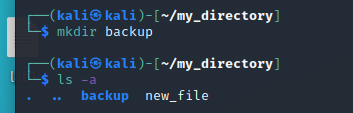


1. Append the text "Hello, World!" to "new\_file.txt".

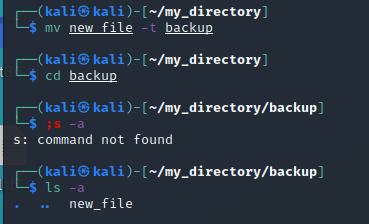




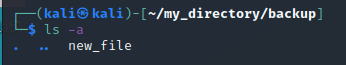
1. Create a new directory called "backup" within "my\_directory".



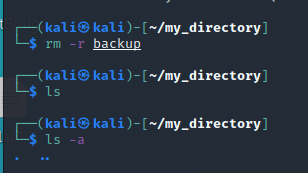
1. Move "new\_file.txt" to the "backup" directory.



1. Verify that "new\_file.txt" is now located in the "backup" directory.

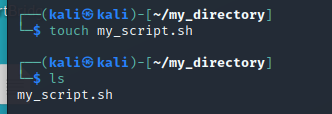


1. Delete the "backup" directory and all its contents.



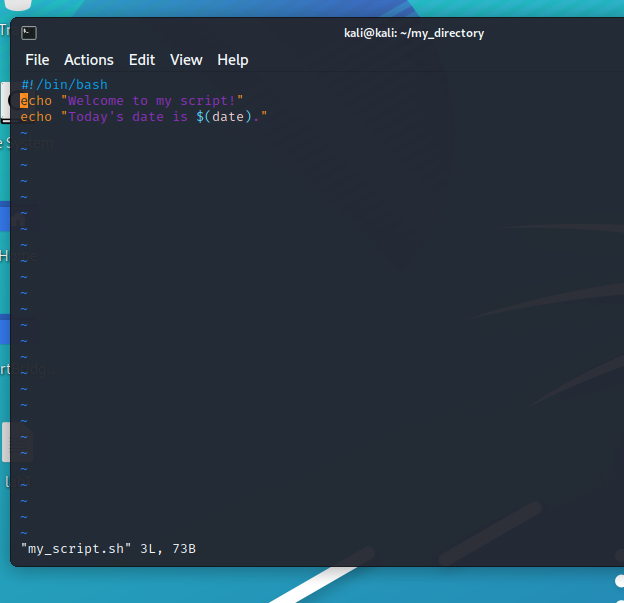
**Task 2: Permissions and Scripting**

* Create a new file called "my\_script.sh".

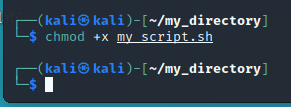


* Edit "my\_script.sh" using a text editor of your choice and add the following lines:

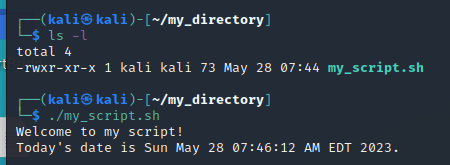




* Make "my\_script.sh" executable.

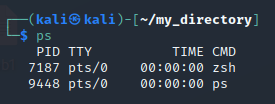


* Run "my\_script.sh" and verify that the output matches the expected result.

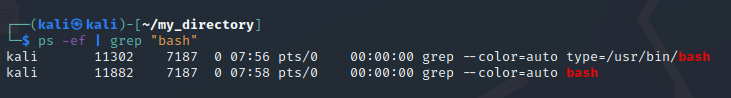


**Task 3: Command Execution and Pipelines**

* List all the processes running on your system using the "ps" command.



* Use the "grep" command to filter the processes list and display only the processes with "bash" in their name.



* Use the "wc" command to count the number of lines in the filtered output.

