

**Name:** Niyomwungeri Parmenide Ishimwe

**Note:** No computers allowed except for accessing the Orientation website. Also, by submitting this assignment, you agree to the following Academic Integrity Statement:

**On my honor, as a Carnegie Mellon Africa student, I have neither given nor received unauthorized assistance on this work.**

1. **T:** Linux filenames are case-sensitive.
2. **T:** The command `echo file1 >> file2` causes the contents of **file1** to be appended to the end of **file2**.
3. **F:** When used as a directory, `.` (dot) means the directory above the current one.
4. **F:** The BASH shell provides a friendly, graphical point-and-click environment.
5. **F:** The command `who | more` causes the **who** command to send its output into a file named **more**.
6. Write the full Linux command to display the contents of a file named **echo** in the **/misc** directory, no matter what the current directory is: **cat /misc/echo**
7. Write the Linux command to show all files in your current directory that begin with T or t or S or s, and store the output in a file named junk: **ls "[TtSs]\*" > junk**
8. Write the command to append your full name to the end of a file called **greatStudents**: **echo "Niyomwungeri Parmenide Ishimwe" >> greatStudents**
9. What command will show a list of the files in a specific directory?: **ls -al**
10. What command will tell you what kind of file a file is?: **file**
11. What command will show you the first few lines in a file?: **head**
12. Examine this command for running the **tail** command (assume the file exists):  
`tail $HOME/abc -n4`  
Is the syntax valid? If it is valid, explain what it does. If not, explain what is incorrect:  
**It is valid, it displays the last four lines of abc file.**
13. What command will create a new directory?: **mkdir**
14. What command will show the man page for a specific command?: **man**
15. Why must you be very careful when using the **rm** command?: **Because it deletes files permanently**
16. Explain what regular expressions are used for. How are they different from meta-characters?: **Regular expressions are used with commands that process the contents of file while meta-characters are used with commands that process the names of the files.**
17. Write the command to change the permissions of the current directory so that the owner has all permissions and everyone else has none: **chmod 700 .**
18. Write the command(s) to properly set a variable called **MOM** to your mother's full name: **export MOM="Jeannette Nishimwe"**

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19. If you are "stuck in Linux", what are two ways you can try to get unstuck and return to the command prompt?: **use Ctrl+C (^C) or q**
20. What is a shell script (please give a short definition)?: **It is a file that contains executable commands**