

Activity: Manage files with Linux commands

Scenario

In this scenario, you need to ensure that the /home/analyst directory is properly organized.

You have to make a few changes to the /home/analyst directory and the files it contains.

You also have to edit a file to record the changes or updates you make to the directory.

Here's how you'll do this: **First**, you'll create a new subdirectory called logs in the /home/analyst directory. **Next**, you'll remove the temp subdirectory. **Then**, you'll move the Q3patches.txt file to the reports subdirectory and delete the tempnotes.txt file. **Finally**, you'll create a new .txt file called tasks in the notes subdirectory and add a note to the file describing the tasks you've performed.

Task 1. Create a new directory

1. Create a new subdirectory called **logs** in the /home/analyst directory.
2. List the contents of the /home/analyst directory to confirm that you've successfully created the new logs subdirectory.

```
analyst@67a7c91d686e:~$ mkdir logs
analyst@67a7c91d686e:~$ ls
logs  notes  reports  temp
```

Task 2. Remove a directory

1. Remove the /home/analyst/temp directory.
2. List the contents of the /home/analyst directory to confirm that you have removed the temp subdirectory.

```
analyst@67a7c91d686e:~$ rmdir temp
analyst@67a7c91d686e:~$ ls
logs  notes  reports
```

Task 3. Move a file

1. Navigate to the /home/analyst/notes directory.
2. Move the **Q3patches.txt** file from the /home/analyst/notes directory to the /home/analyst/reports directory.

3. List the contents of the /home/analyst/reports directory to confirm that you have moved the file successfully.

```
analyst@67a7c91d686e:~$ cd notes
analyst@67a7c91d686e:~/notes$ mv Q3patches.txt /home/analyst/reports/
analyst@67a7c91d686e:~/notes$ cd
analyst@67a7c91d686e:~$ cd reports
analyst@67a7c91d686e:~/reports$ ls
Q1patches.txt  Q2patches.txt  Q3patches.txt
```

Task 4. Remove a file

1. Remove the **tempnotes.txt** file from the /home/analyst/notes directory.
2. List the contents of the /home/analyst/notes directory to confirm that you've removed the file successfully.

```
analyst@67a7c91d686e:~$ cd notes
analyst@67a7c91d686e:~/notes$ rm tempnotes.txt
analyst@67a7c91d686e:~/notes$ ls
analyst@67a7c91d686e:~/notes$
```

Task 5. Create a new file

1. Use the **touch** command to create an empty file called tasks.txt in the /home/analyst/notes directory.
2. List the contents of the /home/analyst/notes directory to confirm that you have created a new file.

```
analyst@67a7c91d686e:~/notes$ touch tasks.txt
analyst@67a7c91d686e:~/notes$ ls
tasks.txt
```

Task 6. Edit a file

1. Using the nano text editor, open the tasks.txt file that is located in the /home/analyst/notes directory.
2. Copy and paste the following text into the text input area of the nano editor:
Completed tasks
1. Managed file structure in /home/analyst
3. Press CTRL+X to exit the nano text editor.
4. This triggers a prompt asking Save modified buffer?
5. Press Y to confirm that you want to save the new data to your file. (Answering "no" will discard changes.)

6. Use the **clear** command to clear the Bash shell window and remove any traces of the nano text input area.
7. Display the contents of the tasks.txt file to confirm that it contains the updated task details.

```
analyst@67a7c91d686e:~/notes$ cat tasks.txt
Completed tasks

1. Managed file structure in /home/analyst
```