

Find Files with Linux Commands

Skills Acquired:

- Navigate directory structures with the `cd` command
- Display the current working directory with the `pwd` command
- List the contents of a directory with the `ls` command
- Display the contents of files with the `cat` and `head` commands

Scenario:

In this scenario, you have to locate and analyze the information of certain files located in the `/home/analyst` directory.

Task 1. Get the current directory information

In this task, you must use the commands you learned about to check the current working directory and list its contents.

1. Display your working directory.
2. Display the names of the files and directories in the current working directory.

```
analyst@221066513ee3:~$ pwd
/home/analyst
analyst@221066513ee3:~$ ls
logs  projects  reports  temp
analyst@221066513ee3:~$
```

Task 2. Change directory and list the subdirectories

In this task, you must navigate to a new directory and determine the subdirectories it contains.

1. Navigate to the /home/analyst/reports directory.
2. Display the files and subdirectories in the /home/analyst/reports directory.

```
analyst@221066513ee3:~$ cd reports
analyst@221066513ee3:~/reports$ ls
users
analyst@221066513ee3:~/reports$
```

Task 3. Locate and read the contents of a file

In this task, you must navigate to a subdirectory and read the contents of a file it contains.

1. Navigate to the /home/analyst/reports/users directory.
2. List the files in the current directory.
3. Display the contents of the Q1_added_users.txt file.

```
analyst@221066513ee3:~/reports$ cd users
analyst@221066513ee3:~/reports/users$ ls
Q1_added_users.txt  Q1_deleted_users.txt
analyst@221066513ee3:~/reports/users$ cat Q1_added_users.txt
employee_id  username  department
1001         bmoreno   Marketing
1026         apatel    Human Resources
1041         cgriffin  Sales
1104         mreed     Information Technology
1177         aezra     Human Resources
1188         noshiro   Finance
analyst@221066513ee3:~/reports/users$
```

Task 4. Navigate to a directory and locate a file

In this task, you must navigate to a new directory, locate a file, and examine the contents of the file.

1. Navigate to the `/home/analyst/logs` directory.
2. Display the name of the file it contains.
3. Display the first **10** lines of this file.

```
analyst@221066513ee3:~/reports/users$ cd /home/analyst/logs
analyst@221066513ee3:~/logs$ ls
server_logs.txt
analyst@221066513ee3:~/logs$ head server_logs.txt
2022-09-28 13:55:55 info    User logged on successfully
2022-09-28 13:56:22 error  The password is incorrect
2022-09-28 13:56:48 warning The file storage is 75% full
2022-09-28 15:55:55 info    User logged on successfully
2022-09-28 15:56:22 error  The username is incorrect
2022-09-28 15:56:48 warning The file storage is 90% full
2022-09-28 16:55:55 info    User navigated to settings page
2022-09-28 16:56:22 error  The password is incorrect
2022-09-28 16:56:48 warning The current user's password expires in 15 days
2022-09-29 13:55:55 info    User logged on successfully
analyst@221066513ee3:~/logs$
```