

Activity: Find files with Linux commands

Scenario

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

Here's how you'll do this: **First**, you'll get the information of the current working directory you're in and display the contents of the directory. **Second**, you'll navigate to the reports directory and list the subdirectories it contains. **Third**, you'll navigate to the users subdirectory and display the contents of the Q1_added_users.txt file. **Finally**, you'll navigate to the logs directory and display the first 10 lines of a file it contains.

Task 1. Get the current directory information

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

```
analyst@e31e4c5dfee6:~$ pwd
/home/analyst
analyst@e31e4c5dfee6:~$ ls
logs  projects  reports  temp
```

Task 2. Change directory and list the subdirectories

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

```
analyst@e31e4c5dfee6:~$ cd reports
analyst@e31e4c5dfee6:~/reports$ ls
users
```

Task 3. Locate and read the contents of a file

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@e31e4c5dfee6:~/reports$ cd users
analyst@e31e4c5dfee6:~/reports/users$ ls
Q1_added_users.txt  Q1_deleted_users.txt
analyst@e31e4c5dfee6:~/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
```

Task 4. Navigate to a directory and locate a 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@e31e4c5dfee6:~/reports/users$ cd
analyst@e31e4c5dfee6:~$ cd logs
analyst@e31e4c5dfee6:~/logs$ ls
server_logs.txt
analyst@e31e4c5dfee6:~/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
```