

# 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.

### 1.1. Display working directory.

**Command:** `pwd`

```
analyst@543ca3d3470c:~$ pwd
/home/analyst
analyst@543ca3d3470c:~$
```

### 1.2. Display the names of the files and directories in the current directory.

**Command:** `ls`

```
analyst@543ca3d3470c:~$ ls
logs  projects  reports  temp
analyst@543ca3d3470c:~$
```

## Task 2. Change directory and list the subdirectories.

2.1. Navigate to the /home/analyst/reports directory.

Relative path command: **cd reports**

Absolute path command: **cd /home/analyst/reports**

```
analyst@543ca3d3470c:~$ cd reports
analyst@543ca3d3470c:~/reports$ ls
users
analyst@543ca3d3470c:~/reports$ cd /home/analyst/reports
analyst@543ca3d3470c:~/reports$ ls
users
analyst@543ca3d3470c:~/reports$
```

## Task 3. Locate and read the contents of a file.

3.1. Navigate to the /home/analyst/reports/users directory.

Relative path command: **cd users**

Absolute path command: **cd /home/analyst/reports/users**

```
analyst@543ca3d3470c:~/reports$ cd users
analyst@543ca3d3470c:~/reports/users$ ls
Q1_added_users.txt  Q1_deleted_users.txt
analyst@543ca3d3470c:~/reports/users$ cd /home/analyst/reports/users
analyst@543ca3d3470c:~/reports/users$ ls
Q1_added_users.txt  Q1_deleted_users.txt
analyst@543ca3d3470c:~/reports/users$
```

3.2. Display the contents of the Q1\_added\_users.txt file.

Command to display contents: **cat Q1\_added\_users.txt**

Absolute path command: **cat /home/analyst/reports/users/Q1\_added\_users.txt**

```

analyst@543ca3d3470c:~/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@543ca3d3470c:~/reports/users$ cat /home/analyst/reports/users/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@543ca3d3470c:~/reports/users$ █

```

## Task 4. Navigate to a directory and locate a file.

4.1. Navigate to the /home/analyst/logs directory.

Command to navigate: **cd /home/analyst/logs**

```

analyst@543ca3d3470c:~/reports/users$ cd /home/analyst/logs
analyst@543ca3d3470c:~/logs$ ls
server_logs.txt
analyst@543ca3d3470c:~/logs$ █

```

4.2. Display the first 10 lines of the file.

Command: **head server\_logs.txt**

```

analyst@543ca3d3470c:~/logs$ ls
server_logs.txt
analyst@543ca3d3470c:~/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@543ca3d3470c:~/logs$ █

```

