

Task 1. Search for error messages in a log file

```
analyst@5d580162a622:~/logs$ cd /home/analyst/logs
analyst@5d580162a622:~/logs$ ls
server_logs.txt
analyst@5d580162a622:~/logs$ grep "error" server_logs.txt
2022-09-28 13:56:22 error    The password is incorrect
2022-09-28 15:56:22 error    The username is incorrect
2022-09-28 16:56:22 error    The password is incorrect
2022-09-29 13:56:22 error    An unexpected error occurred
2022-09-29 15:56:22 error    Unauthorized access
2022-09-29 16:56:22 error    Unauthorized access
analyst@5d580162a622:~/logs$
```

Task 2. Find files containing specific strings

```
analyst@5d580162a622:~/reports/users$ ls /home/analyst/reports/users | grep "Q1"
Q1_access.txt
Q1_added_users.txt
Q1_deleted_users.txt
analyst@5d580162a622:~/reports/users$
```

Task 3. Search more file contents

```
analyst@5d580162a622:~/reports/users$ ls /home/analyst/reports/users
Q1_access.txt      Q2_access.txt      Q3_access.txt      Q4_access.txt
Q1_added_users.txt Q2_added_users.txt Q3_added_users.txt Q4_added_users.txt
Q1_deleted_users.txt Q2_deleted_users.txt Q3_deleted_users.txt Q4_deleted_users.txt
analyst@5d580162a622:~/reports/users$ grep "jhill" Q2_deleted_users.txt
1025      jhill      Sales
analyst@5d580162a622:~/reports/users$ grep "Human Resources" Q4_added_users.txt
1151      sshah      Human Resources
1145      msosa      Human Resources
analyst@5d580162a622:~/reports/users$
```