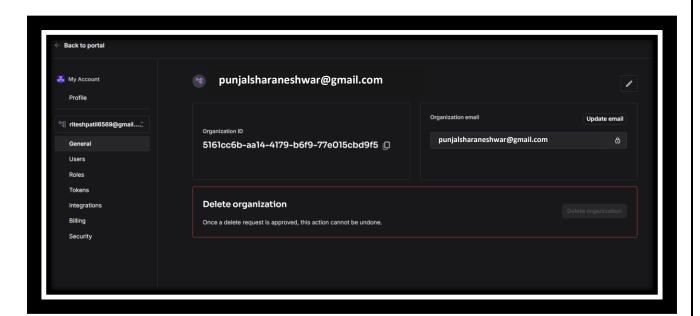
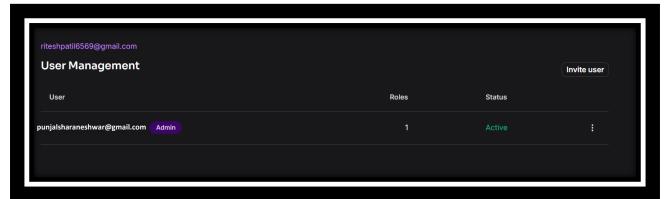
ADSL Assignment 10

Name: Sharaneshwar Punjal

PRN: 23520011

Batch: T7





C:\Users\rites>pip install cassandra-driver
Requirement already satisfied: cassandra-driver in c:\users\rites\appdata\local\packages\pythonsoftwarefoundation.python
.3.11_qbz5n2kfra8p0\localcache\local-packages\python311\site-packages (3.29.2)
Requirement already satisfied: geomet<0.3,>=0.1 in c:\users\rites\appdata\local\packages\pythonsoftwarefoundation.python
.3.11_qbz5n2kfra8p0\localcache\local-packages\python311\site-packages (from cassandra-driver) (0.2.1.post1)
Requirement already satisfied: click in c:\users\rites\appdata\local\packages\pythonsoftwarefoundation.python.3.11_qbz5n
2kfra8p0\localcache\local-packages\python311\site-packages (from geomet<0.3,>=0.1->cassandra-driver) (8.1.8)
Requirement already satisfied: six in c:\users\rites\appdata\local\packages\pythonsoftwarefoundation.python.3.11_qbz5n2k
fra8p0\localcache\local-packages\python311\site-packages (from geomet<0.3,>=0.1->cassandra-driver) (1.16.0)
Requirement already satisfied: colorama in c:\users\rites\appdata\local\packages\pythonsoftwarefoundation.python.3.11_qb
z5n2kfra8p0\localcache\local-packages\python311\site-packages (from click->geomet<0.3,>=0.1->cassandra-driver) (0.4.6)

```
C:\Users\rites>cd cassandra

C:\Users\rites\cassandra>python3 bin/cqlsh.py

WARNING: cqlsh was built against UNKNOWN, but this server is 5.0.3. All features may not work!

Connected to Test Cluster at 127.0.0.1:9042

[cqlsh 6.3.0 | Cassandra 5.0.3 | CQL spec 3.4.7 | Native protocol v5]

Use HELP for help.

cqlsh> |
```

```
:qlsh:weather_data> INSERT INTO temperature_by_station (weatherStationID, record_time, temperature)
... VALUES ('WS001', toTimestamp(now()), 28.5);
rdlsh:weather_data> |
```

```
cqlsh:weather_data> INSERT INTO temperature_by_station (weatherStationID, record_time, temperature)
... VALUES ('WS001', toTimestamp(now()), 28.5);
cqlsh:weather_data>
cqlsh:weather_data> INSERT INTO temperature_by_station (weatherStationID, record_time, temperature)
... VALUES ('WS001', toTimestamp(now()), 29.1);
cqlsh:weather_data>
cqlsh:weather_data> INSERT INTO temperature_by_station (weatherStationID, record_time, temperature)
... VALUES ('WS002', toTimestamp(now()), 30.2);
cqlsh:weather_data> INSERT INTO temperature_by_station (weatherStationID, record_time, temperature)
                                VALUES ('WS003', toTimestamp(now()), 27.9);
cqlsh:weather_data>
cqlsh:weather_data> INSERT INTO temperature_by_station (weatherStationID, record_time, temperature)
... VALUES ('WS004', toTimestamp(now()), 31.4);
cqlsh:weather_data> SELECT * FROM temperature_by_station;
 weatherstationid | record_time
                                                                                     | temperature
                               2025-04-09 03:21:38.077000+0000
2025-04-09 03:21:36.668000+0000
2025-04-09 03:21:36.655000+0000
2025-04-09 03:20:34.786000+0000
2025-04-09 03:21:36.684000+0000
2025-04-09 03:21:36.700000+0000
                   WS004
                                                                                                   31.4
                                                                                                   29.1
28.5
                   WS001
                   WS001
                   WS001
                                                                                                   28.5
                   WS002
```

Configure Node1 (127.0.0.2)

cluster_name: '2025GRP44'

listen_address: 127.0.0.2

rpc_address: 127.0.0.2

seed_provider:

- class_name: org.apache.cassandra.locator.SimpleSeedProvider

parameters:

- seeds: "127.0.0.2"

data file directories:

- C:/Cassandra/Node1/data

commitlog directory: C:/Cassandra/Node1/commitlog

saved_caches_directory: C:/Cassandra/Node1/saved_caches

Configure Node2 (127.0.0.3)

cluster_name: '2025GRP44'

listen_address: 127.0.0.3

rpc_address: 127.0.0.3

seed_provider:

 $- class_name: org. apache. cass and ra. locator. Simple Seed Provider \\$

parameters:

- seeds: "127.0.0.2"

data_file_directories:

- C:/Cassandra/Node2/data

commitlog_directory: C:/Cassandra/Node2/commitlog

saved_caches_directory: C:/Cassandra/Node2/saved_caches

Configure Node3 (127.0.0.4)

cluster_name: '2025GRP44'

listen_address: 127.0.0.4

rpc_address: 127.0.0.4

seed_provider:

- class_name: org.apache.cassandra.locator.SimpleSeedProvider

parameters:

- seeds: "127.0.0.2"

data_file_directories:

- C:/Cassandra/Node3/data

commitlog_directory: C:/Cassandra/Node3/commitlog

saved_caches_directory: C:/Cassandra/Node3/saved_caches

