

ASSIGNMENT - 09

PRN : 22510027

Name : Swanan Mahabal

Batch : T-2

Install & deploy the following cloud databases on Windows / Linux platform :

A] MongoDB

B] CassandraDB

Create the web form in angular 19, to demonstrate the CRUD operations with above backend cloud databases. Assume any database. Create database by your PRN.

Cassandra Configuration using docker :

```
C:\Users\asus>docker pull cassandra:latest
latest: Pulling from library/cassandra
30a9c22ae099: Pull complete
6dbdd66677ae: Pull complete
3398a057cfd5: Pull complete
c3e4752518b6: Pull complete
f755fa637644: Pull complete
148144918da9: Pull complete
aa70336047fc: Pull complete
1c7232db4fb4: Pull complete
04b08941b8d8: Pull complete
07fc3ba9ef45: Pull complete
Digest: sha256:648243f60690dc49f4ed7e7f8aceda1597ee3aacb427453a235f15480996676e
Status: Downloaded newer image for cassandra:latest
docker.io/library/cassandra:latest

C:\Users\asus>docker run --name cassandra-db -p 9042:9042 -d cassandra
2bfd130ee9592a1632dfa68e7781d21ab2fc8b4b42d72cc3f9817869d0205b81

C:\Users\asus>docker exec -it cassandra-db cqlsh
Connection error: ('Unable to connect to any servers', {'127.0.0.1:9042': ConnectionRefusedError(111, "Tried connecting to [('127.0.0.1', 9042)]. Last error : Connection refused"))

C:\Users\asus>docker exec -it cassandra-db cqlsh
Connected to Test Cluster at 127.0.0.1:9042
[cqlsh 6.2.0 | Cassandra 5.0.4 | CQL spec 3.4.7 | Native protocol v5]
Use HELP for help.
cqlsh> CREATE KEYSPACE prn22510019 WITH replication = {'class': 'SimpleStrategy', 'replication_factor': 1};
cqlsh>
cqlsh> USE prn22510019;
cqlsh:prn22510019>
cqlsh:prn22510019> CREATE TABLE users (
...     id UUID PRIMARY KEY,
...     name TEXT,
...     email TEXT
... );
cqlsh:prn22510019> alter table users add message text
... ;
```

Cassandra db cluster on docker desktop :

Editing Functionality:

Form Data CRUD

Name:

Email:

Message:

Previous Records

Name: Suyash
Email: suyash@example.com
Message: hhii

Form Data CRUD

Name:

Email:

Message:

Previous Records

Name: Suyash
Email: suyash@example.com
Message: Updatig data

127.0.0.1:5500 says
Form updated successfully!

OK