

CSA3423-NoSQL

Create a Keyspace and a table in Cassandra using CQL

Cassandra Exp.2

1) Create Keyspace

```
CREATE KEYSPACE IF NOT EXISTS firstKeyspace  
  
WITH REPLICATION = {  
  
    'class': 'SimpleStrategy',  
  
    'replication_factor': 1  
  
};
```

```
cqlsh> CREATE KEYSPACE IF NOT EXISTS firstKeyspace WITH REPLICATION = {'class': 'SimpleStrategy', 'replication_factor': 1}  
... ;  
cqlsh>
```

2) Use the Keyspace

```
USE firstKeyspace;
```

```
cqlsh> USE firstKeyspace;  
cqlsh: firstkeyspace> █
```

3) Create a Table (Example)

```
CREATE TABLE IF NOT EXISTS users (  
  
    user_id UUID PRIMARY KEY,  
  
    name text,  
  
    email text,  
  
    age int  
  
);
```

```
cqlsh: firstkeyspace> CREATE TABLE IF NOT EXISTS users (  
    ... user_id UUID PRIMARY KEY,  
    ... name text,  
    ... email text,  
    ... age int);  
cqlsh: firstkeyspace>
```

4) Insert into users Table.

```
INSERT INTO firstKeyspace.users (user_id, name, email, age)
```

```
VALUES (uuid(), 'Arjun', 'arjun@example.com', 25);
```

```
INSERT INTO firstKeyspace.users (user_id, name, email, age)
```

```
VALUES (uuid(), 'Stuti', 'stuti@example.com', 22);
```

```
INSERT INTO firstKeyspace.users (user_id, name, email, age)
```

```
VALUES (uuid(), 'Shinchana', 'shinchana@example.com', 24);
```

```
cqlsh:firstkeyspace> INSERT INTO firstKeyspace.users (user_id, name, email, age)
... VALUES (uuid(), 'Stuti', 'stuti@example.com', 22);
cqlsh:firstkeyspace>
cqlsh:firstkeyspace> INSERT INTO firstKeyspace.users (user_id, name, email, age)
... VALUES (uuid(), 'Shinchana', 'shinchana@example.com', 24);
cqlsh:firstkeyspace> INSERT INTO firstKeyspace.users (user_id, name, email, age)
... VALUES (uuid(), 'Arjun', 'arjun@example.com', 25);
cqlsh:firstkeyspace> █
```

5) Display the data

```
SELECT * FROM firstKeyspace.users;
```

```
cqlsh:firstkeyspace> SELECT * FROM firstKeyspace.users
... ;
```

user_id	age	email	name
572252af-4098-4d41-ad8e-c4cdaff990f4	25	arjun@example.com	Arjun
13d02856-6199-4a99-8fa4-4d48d48d1256	22	stuti@example.com	Stuti
c666725a-fd99-4d78-b052-aeb59e12e7db	24	shinchana@example.com	Shinchana