

# Lab Program – 03

1. Create a keyspace by name Employee
2. Create a column family by name Employee-Info with attributes

Emp\_Id Primary Key, Emp\_Name, Designation, Date\_of\_Joining, Salary,

Dept\_Name

```
cqlsh> create keyspace employee with
... replication {'class':'SimpleStrategy',
... 'replication_factor': 1};
SyntaxException: line 2:11 no viable alternative at input '{' (create keyspace employee with[replicatio]
cqlsh> create keyspace employee with replication = {'class':'SimpleStrategy', 'replication_factor':1};
cqlsh> create table emp (emp_id int primary key,);
InvalidRequest: Error from server: code=2200 [Invalid query] message="No keyspace has been specified. US
r explicitly specify keyspace.tablename"
cqlsh> create table emp (emp_id int primary key,emp_name text,designation text,date_of_joining date);
```

3. Insert the values into the table in batch

```
cqlsh:employee> begin batch insert into emp (emp_id,emp_name,designation,date_of_joining) values (1,'Anup
ama','Manager','2016-08-07'); insert into emp (emp_id,emp_name,designation,date_of_joining) values (2,'An
usha','Designer','2017-02-12'); insert into emp (emp_id,emp_name,designation,date_of_joining) values (3,'
Ananya','tester','2018-05-24'); insert into emp (emp_id,emp_name,designation,date_of_joining) values (3,'
Anugna','Developer','2020-08-20'); apply batch;
cqlsh:employee> select * from emp;
```

emp_id	date_of_joining	designation	emp_name
1	2016-08-07	Manager	Anupama
2	2017-02-12	Designer	Anusha
3	2020-08-20	tester	Anugna

(3 rows)

Activate Windows  
Go to Settings to activate Windows.

4. Update Employee name and Department of Emp-Id 121

```
cqlsh:employee> select * from emp;
```

emp_id	date_of_joining	designation	emp_name
1	2016-08-07	Manager	Anupama
2	2017-02-12	Designer	Anusha
3	2020-08-20	tester	Anugna

```
(3 rows)
cqlsh:employee> update emp set emp_name='Ananya' and designation='developer'
... where emp_id=3;
SyntaxException: line 1:33 mismatched input 'and' expecting K_WHERE (update emp set emp_name
...)
cqlsh:employee> update emp set emp_name='Ananya',designation='developer' where emp_id=3;
cqlsh:employee> select * from emp;
```

emp_id	date_of_joining	designation	emp_name
1	2016-08-07	Manager	Anupama
2	2017-02-12	Designer	Anusha
3	2020-08-20	developer	Ananya

- Alter the schema of the table Employee\_Info to add a column Projects which stores a set of Projects done by the corresponding Employee.
- Update the altered table to add project names.

```
cqlsh:employee> alter table emp add Projects set<text>;
cqlsh:employee> update emp set Projects=Projects+['webAppDevelopment,IoSDevelopment']
... where emp_id=3;
InvalidRequest: Error from server: code=2200 [Invalid query] message="Invalid list literal for projects
t>"
cqlsh:employee> update emp set Projects=Projects+{'webAppDevelopment,IoSDevelopment'} where emp_id=3;
cqlsh:employee> select * from emp;
```

emp_id	date_of_joining	designation	emp_name	projects
1	2016-08-07	Manager	Anupama	null
2	2017-02-12	Designer	Anusha	null
3	2020-08-20	developer	Ananya	{'webAppDevelopment,IoSDevelopment'}

```
(3 rows)
```

- Create a TTL of 15 seconds to display the values of Employees.

```
cqlsh:employee> insert into emp(emp_id,emp_name,designation,date_of_joining)values(4,'Chandana','Developer','2022-08-28') using TTL 240;
cqlsh:employee> select * from emp;
```

emp_id	date_of_joining	designation	emp_name	projects
1	2016-08-07	Manager	Anupama	null
2	2017-02-12	Designer	Anusha	null
4	2022-08-28	Developer	Chandana	null
3	2020-08-20	developer	Ananya	{'webAppDevelopment,IoSDevelopment'}

```
(4 rows)

cqlsh:employee> select * from emp;
```

emp_id	date_of_joining	designation	emp_name	projects
1	2016-08-07	Manager	Anupama	null
2	2017-02-12	Designer	Anusha	null
3	2020-08-20	developer	Ananya	{'webAppDevelopment,IoSDevelopment'}

```
(3 rows)
```

