

1. EMPLOYEE

Create Keyspace Employee and ColumnFamily Employee_Info

```
cqlsh> CREATE KEYSPACE Employee WITH replication = {'class':'SimpleStrategy','replication_factor':3};
cqlsh> use Employee;
cqlsh:employee> CREATE COLUMNFAMILY Employee_Info(Emp_ID INT PRIMARY KEY, Emp_Name VARCHAR, Designation
VARCHAR, Date_Of_Joining VARCHAR, Salary FLOAT, Dept_Name VARCHAR);
cqlsh:employee> |
```

Batch Insert

```
cqlsh:employee> BEGIN BATCH INSERT INTO Employee_info(Emp_ID, Emp_Name, Designation, Date_Of_Joining, Salary,
Dept_Name) values (119, 'Prongs','CEO','09/11/2019',15000,'Sales'); INSERT INTO Employee_info(Emp_ID, Emp_Name
, Designation, Date_Of_Joining, Salary, Dept_Name) values (120, 'Moony','COO','08/10/2019',10000,'IT'); INSERT
INTO Employee_info(Emp_ID, Emp_Name, Designation, Date_Of_Joining, Salary, Dept_Name) values (121, 'Padfoot',
'CTO', '07/09/2020', 12000, 'HR'); INSERT INTO Employee_info(Emp_ID, Emp_Name, Designation, Date_Of_Joining,
Salary, Dept_Name) values (122, 'Wormtail', 'CFO', '08/10/2020', 2000, 'Janitorial');
... APPLY BATCH;
cqlsh:employee>
cqlsh:employee> select * from Employee_Info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	salary
120	08/10/2019	IT	COO	Moony	10000
122	08/10/2020	Janitorial	CFO	Wormtail	2000
121	07/09/2020	HR	CTO	Padfoot	12000
119	09/11/2019	Sales	CEO	Prongs	15000

(4 rows)

Update Emp_ID=122

```
cqlsh:employee> UPDATE Employee_Info SET Emp_Name = 'Sirius', Dept_Name = 'Design' WHERE Emp_ID = 121;
cqlsh:employee> SELECT * FROM Employee_Info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	salary
120	08/10/2019	IT	COO	Moony	10000
122	08/10/2020	Janitorial	CFO	Wormtail	2000
121	07/09/2020	Design	CTO	Sirius	12000
119	09/11/2019	Sales	CEO	Prongs	15000

(4 rows)

Alter to add field Projects, update

```
cqlsh:employee> ALTER TABLE Employee_Info ADD PROJECT SET<VARCHAR>;
cqlsh:employee> SELECT * FROM Employee_Info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	project	salary
120	08/10/2019	IT	COO	Moony	null	10000
122	08/10/2020	Janitorial	CFO	Wormtail	null	2000
121	07/09/2020	Design	CTO	Sirius	null	12000
119	09/11/2019	Sales	CEO	Prongs	null	15000

(4 rows)

```
cqlsh:employee> UPDATE Employee_Info SET Project=project+{'Performing a patronus'} WHERE Emp_ID=119;
cqlsh:employee> SELECT * FROM Employee_Info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	project	salary
120	08/10/2019	IT	COO	Moony	null	10000
122	08/10/2020	Janitorial	CFO	Wormtail	null	2000
121	07/09/2020	Design	CTO	Sirius	null	12000
119	09/11/2019	Sales	CEO	Prongs	{'Performing a patronus'}	15000

(4 rows)

Create a TTL

```
cqlsh:employee> BEGIN BATCH INSERT INTO Employee_info(Emp_ID, Emp_Name, Designation, Date_Of_Joining, Salary,
Dept_Name) values (123, 'Tom Riddle','Manager','05/03/2018',20000,'IT') USING TTL 15; APPLY BATCH;
cqlsh:employee> SELECT TTL(Designation) FROM Employee_Info WHERE Emp_ID=123;
```

ttdesignation)
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