BDA Lab 5 - 1BM17CS086

Lab 5 - To Do

Install Cassandra and required software as per instructions shared in theory class room

Execute the following

1. Create a keyspace by name Student
2. Create a column family by name Student-Info with attributes Student_Id Primary Key, Stude_Name, Date_of_Joining, Semester, Dept_Name
3. Insert the values into the table in batch
4. Update Student name of Student_Id 121

Task 1: Create a keyspace by name Student

```
cqlsh> CREATE KEYSPACE Student WITH replication = {'class': 'SimpleStrategy', 'replication_factor':3};
```


Task 2: Create a column family by name Student-Info with attributes Student_Id Primary Key, Stude_Name, Date_of_Joining, Semester, Dept_Name

```
CREATE COLUMNFAMILY Student_Info(
  Student_Id INT PRIMARY KEY,
  Student_Name VARCHAR,
  Date_of_Joining VARCHAR,
  Semester INT,
  Dept_Name VARCHAR
);
```

Task 3: Insert the values into the table in batch

```
BEGIN BATCH INSERT INTO Student_Info (Student_Id, Student_Name, Date_of_Joining,
 Semester, Dept_Name) values (1, 'Saif', '01/06/2020', 7, 'CSE');

INSERT INTO Student_Info (Student_Id, Student_Name, Date_of_Joining, Semester, De
pt_Name)
values (2, 'Carl', '01/08/2020', 5, 'ME');

APPLY BATCH;
```

```
SELECT * FROM Student_Info;
```

```
cqlsh:student> BEGIN BATCH INSERT INTO Student_Info (Student_Id, Student_Name, Date_of_Joining, Semester,
 Dept_Name) values (1, 'Saif', '01/06/2020', 7, 'CSE');
         ...
         ... INSERT INTO Student_Info (Student_Id, Student_Name, Date_of_Joining, Semester, Dept_Name)
         ... values (2, 'Carl', '01/08/2020', 5, 'ME');
         ...
         ... APPLY BATCH;
cqlsh:student> SELECT * FROM Student_Info;

 student_id | date_of_joining | dept_name | semester | student_name
------------+-----------------+-----------+----------+--------------
          1 |      01/06/2020 |       CSE |        7 |         Saif
          2 |      01/08/2020 |        ME |        5 |         Carl

(2 rows)
```

Task 4: Update Student name of Student_Id 121

```
UPDATE Student_Info SET Dept_Name = 'BT' WHERE Student_Id = 2;
```

```
cqlsh:student> UPDATE Student_Info SET Dept_Name = 'BT' WHERE Student_Id = 2;
cqlsh:student> SELECT * FROM Student_Info;

 student_id | date_of_joining | dept_name | semester | student_name
------------+-----------------+-----------+----------+--------------
          1 |      01/06/2020 |       CSE |        7 |         Saif
          2 |      01/08/2020 |        BT |        5 |         Carl

(2 rows)
```