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1BM19CS101

Lab 3

Program 1. Perform the following DB operations using Cassandra.

- 1. Create a key space 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
- 3. Insert the values into the table in batch

```
cqlsh> cqsh> cqsh> cqsh> cqsh> cqsh> cqsh> cqsh> create keyspace employee with replication ={ 'class': 'SimpleStrategy', 'replication_factor': 1}; cqsh> describe employee

CREATE KEYSPACE employee WITH replication = { 'class': 'SimpleStrategy', 'replication_factor': '1'} AND durable_writes = true; cqsh> 

cqlsh> create table employee.employee_info( emp_id int primary key,emp_name text,designation text,date_of_joining timestamp,salary double,dept_name text); cqsh> select * from employee.employee_info;

amp_id | date_of_joining | dept_name | designation | emp_name | salary

(0 rows) cqsh> 

calsh> begin batch insert into employee.employee_info(emp_id,date_of_joining,dept_name,designation,emp_name,salary)values(1,'2020-03-03','data_analysis','nanager','rahul',1200000.00); ... insert into employee.employee_info(emp_id,date_of_joining,dept_name,designation,emp_name,salary)values(2,'2020-04-03','machine learning','assistant manager','gagana',900000.00); ... insert into employee.employee_info(emp_id,date_of_joining,dept_name,designation,emp_name,salary)values(2,'2020-04-03','machine learning','assistant manager','gagana',900000.00); ... insert into employee.employee_info(emp_id,date_of_joining,dept_name,designation,emp_name,salary)values(2,'2020-04-03','machine learning','assistant manager','gagana','900000.00); ... insert into employee.employee_info(emp_id,date_of_joining,dept_name,designation,emp_name,salary)values(2,'2020-04-03','machine learning', assistant manager', applicat
```

	date_of_joining		designation		
1 2 4	2020-03-02 18:30:00.000000+0000 2020-04-02 18:30:00.000000+0000 2020-04-02 18:30:00.000000+0000 2021-03-02 18:30:00.000000+0000	data analysis machine learning website	manager assistant manager web developer	rahul gagana kushal	1.2e+06
(4 rows)					

4. Update Employee name and Department of Emp-Id 1

6. Alter the schema of the table Employee_Info to add a column Projects which stores a set of Projects done by the corresponding Employee.

7. Update the altered table to add project names.

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