1BM19CS073 KIRAN M K Big Data Analytics Laboratory 6B2

Program 1. Perform the following DB operations using Cassandra.

1. Create a key space by name Employee

```
cqlsh> CREATE KEYSPACE employee WITH replication = {'class':'SimpleStrategy', 'replication_factor':1};
cqlsh> describe keyspace
to keyspace specified and no current keyspace
cqlsh> describe Employee;

CREATE KEYSPACE employee WITH replication = {'class': 'SimpleStrategy', 'replication_factor': '1'} AND durable_writes = true;
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);
cqlsh> select * from Employee.employee_info;
enp_id | date_of_joining | dept_name | designation | emp_name | salary
```

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

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

```
cqlsh> create table Employee.emp(emp_id int, emp_name text, designation text, date_of_joining timestamp, salary double, dept_name text, priry key(emp_id, salary));
cqlsh> begin batch
... insert into Employee.emp(emp_id, salary, date_of_joining, dept_name, designation, emp_name) values (1, 1500000.50, '2021-06-03', 'Dept_yment'. 'Manader', 'KIRAN');
GoogleChrome into Employee.emp(emp_id, salary,date_of_joining, dept_name, designation, emp_name) values (2, 1100000.50, '2022-05-03', 'Deve_pment', 'men uevelopper', 'VAISHAK');
... insert into Employee.emp(emp_id, salary, date_of_joining, dept_name, designation, emp_name) values (121, 1900000.50, '2022-05-05', 'Foundation of the composition of
```

5. Sort the details of Employee records based on salary

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.