LAB-02
Cassandra

```
cqlsh> CREATE KEYSPACE Employee WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };
cqlsh> CREATE TABLE Employee.Employee_Info (
   ...      Emp_Id int,
   ...      Salary DECIMAL,
   ...      Emp_Name TEXT,
   ...      Designation TEXT,
   ...      Date_of_Joining DATE,
   ...      Dept_Name TEXT,
   ...      PRIMARY KEY (Emp_Id, Salary)
   ... ) WITH CLUSTERING ORDER BY (Salary ASC);
cqlsh> BEGIN BATCH
   ... INSERT INTO Employee.Employee_Info (Emp_Id, Salary, Emp_Name, Designation, Date_of_Joining, Dept_Name) VALUES (121, 60000, 'John Doe', 'Developer', '2023-01-15
', 'IT');
   ... INSERT INTO Employee.Employee_Info (Emp_Id, Salary, Emp_Name, Designation, Date_of_Joining, Dept_Name) VALUES (122, 80000, 'Jane Smith', 'Manager', '2022-05-20
', 'HR');
   ... INSERT INTO Employee.Employee_Info (Emp_Id, Salary, Emp_Name, Designation, Date_of_Joining, Dept_Name) VALUES (123, 55000, 'Alice Johnson', 'Analyst', '2021-11
-10', 'Finance');
   ... APPLY BATCH;
cqlsh> UPDATE Employee.Employee_Info SET Emp_Name = 'Johnathan Doe', Dept_Name = 'Engineering' WHERE Emp_Id = 121 AND Salary = 60000;
cqlsh> SELECT * FROM Employee.Employee_Info WHERE Emp_Id = 121 ORDER BY Salary;

 emp_id | salary | date_of_joining | dept_name   | designation | emp_name
--------+--------+-----------------+-------------+-------------+---------------
    121 |  60000 |      2023-01-15 | Engineering |   Developer | Johnathan Doe

(1 rows)
cqlsh> ALTER TABLE Employee.Employee_Info ADD Projects SET<TEXT>;
cqlsh> UPDATE Employee.Employee_Info SET Projects = {'Project A', 'Project B'} WHERE Emp_Id = 121 AND Salary = 60000;
cqlsh> INSERT INTO Employee.Employee_Info (Emp_Id, Salary, Emp_Name, Designation, Date_of_Joining, Dept_Name) VALUES (124, 30000, 'Temp Employee', 'Intern', '2023-10-
01', 'Temp Dept') USING TTL 15;
cqlsh> SELECT * FROM Employee.Employee_Info;

 emp_id | salary | date_of_joining | dept_name   | designation | emp_name      | projects
--------+--------+-----------------+-------------+-------------+---------------+------------------------
    123 |  55000 |      2021-11-10 |     Finance |     Analyst | Alice Johnson |                   null
    122 |  80000 |      2022-05-20 |          HR |     Manager |    Jane Smith |                   null
    121 |  60000 |      2023-01-15 | Engineering |   Developer | Johnathan Doe | {'Project A', 'Project B'}

(3 rows)
cqlsh>
```