CQLSH Queries Used:

1. Creating a Keyspace:

create keyspace addy with replication={'class':'SimpleStrategy', 'replication\_factor':1};

2. Creating a Table:

create table if not exists addy.employee (empNo varchar PRIMARY KEY, eName text, jobTitle text, hiredate date, salary double, deptName varchar, deptNo double, Manager text);

3. Inserting data:

Row 1: insert into employee (empno, deptname, deptno, ename, hiredate, jobtitle, manager, salary) values ('1234', 'Development', 12, 'aditya', '2011-12-06', 'Clerk', 'Sneha', 12000);

Row 2: insert into employee (empno, deptname, deptno, ename, hiredate, jobtitle, manager, salary) values ('1235', 'Security', 11, 'plamond', '2011-12-12', 'Developer', 'Swati', 22000);

Row 3: insert into employee (empno, deptname, deptno, ename, hiredate, jobtitle, manager, salary) values ('12356', 'Data Sciences', 11, 'Sneha', '2018-05-05', 'Security', 'Rick', 22000);

Row 4: insert into employee (empno, deptname, deptno, ename, hiredate, jobtitle, manager, salary) values ('12323', 'Human Resources', 10, 'Michaela', '2018-05-19', 'HR-A', 'Andrew', 42000);

4. Viewing the table:

select \* FROM employee;

5.

Query 1:

select empno, ename, jobtitle, hiredate from employee;

**empno** | **ename** | **jobtitle** | **hiredate**

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**12356** | **Sneha** | **Security** | **2018-05-05**

**1234** | **aditya** | **Clerk** | **2011-12-06**

**1235** | **plamond** | **Developer** | **2011-12-12**

**12323** | **Michaela** | **HR-A** | **2018-05-19**

Query 2:

select ename, salary from employee where jobtitle = 'Clerk' ALLOW FILTERING;

**ename** | **salary**

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**aditya** | **12000**

Query 3:

select ename, jobtitle, salary from employee where hiredate < '2018-05-05' ALLOW FILTERING ;

**ename** | **jobtitle** | **salary**

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**aditya** | **Clerk** | **12000**

**plamond** | **Developer** | **22000**

Query 4:

select ename, salary from employee;

**ename** | **salary**

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**Sneha** | **22000**

**aditya** | **12000**

**plamond** | **22000**

**Michaela** | **42000**

(4 rows)

Query 5:

select deptname, deptno from employee where deptno > 10 ALLOW FILTERING;

**deptname** | **deptno**

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**Data Sciences** | **11**

**Development** | **12**

**Security** | **11**

Query 6:

select ename, salary, manager from employee where salary > 12000 ALLOW FILTERING ;

**ename** | **salary** | **manager**

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**Sneha** | **22000** | **Rick**

**plamond** | **22000** | **Swati**

**Michaela** | **42000** | **Andrew**

(3 rows)