

# Lesson\_7  
Lesson-7 ICP

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Setup:

I first made the keyspace and ran the use query for it.

```
cqlsh:cs> create keyspace test with replication={'class':'SimpleStrategy','replication_factor':3};  
cqlsh:cs> use test;  
cqlsh:test> desc keyspaces;
```

```
system_schema  system_auth  system  test  system_distributed  cs  system_traces
```

Then I created an employee table and copied the employee\_entries.csv file into it.

```
cqlsh:test> create table employee (employee_id int primary key, department text, lastname text, years_with_company int,  
hiredate date, jobtitle text, salary float, managerid int);  
cqlsh:test> copy employee (employee_id, department, lastname, years_with_company, hiredate, jobtitle, salary, managerid)  
from 'C:\Users\Drew\Downloads\employee_entries.csv' with delimiter='|' and header = true;  
Using 11 child processes
```

```
Starting copy of test.employee with columns [employee_id, department, lastname, years_with_company, hiredate, jobtitle,  
salary, managerid]
```

1. I wrote this query to show the employee\_id, lastname, jobtitle, and hiredate of every employee in the table.

```
cqlsh:test> select employee_id,lastname,jobtitle,hiredate from employee;
```

employee_id	lastname	jobtitle	hiredate
5	Gonzales	testengineer	2011-09-23
1	stevens	manager	2000-02-18
8	Charles	teamlead	2008-01-07
2	jones	manager	1999-06-11
4	Howard	softwareengineer	2003-09-21
7	Devin	teamlead	2010-01-07
6	Griffin	engineer	2009-08-09
3	smith	teamlead	1996-03-21

(8 rows)

```
cqlsh:test>
```

2. I ran this query to show the lastname and salary of the employees that were 'clerks' which happened to be none of them.

```
cqlsh:test> select lastname, salary
... from employee
... where jobtitle='clerk'
... allow filtering;

lastname | salary
-----+-----
(0 rows)
```

3. I ran this query to show the lastname, jobtitle, and salary of employees that were hired on february 18, 2000. Which was only one person.

```
cqlsh:test> select lastname, jobtitle, salary
... from employee
... where hiredate='2000-02-18'
... allow filtering;

lastname | jobtitle | salary
-----+-----+-----
stevens  | manager  | 50000

(1 rows)
cqlsh:test>
```

4. I ran this query to show the lastname and salary of all employees.

```
(1 rows)
cqlsh:test> select lastname, salary
... from employee;

lastname | salary
-----+-----
Gonzales | 20000
stevens  | 50000
Charles  | 19220
jones    | 70000
Howard   | 45000
Devin    | 12200
Griffin  | 80000
smith    | 80000

(8 rows)
cqlsh:test>
```

5. I ran this query to show the lastname, salary, and managerid of the employees that have a salary of exactly 45000, which was only one of them.

```
sqlsh:test> select lastname, salary, managerid  
... from employee  
... where salary=45000  
... allow filtering;
```

lastname	salary	managerid
Howard	45000	6

(1 rows)

```
sqlsh:test>
```