8 days:

**Day 7**

**Database:**

**Join:** Join is use to retrieve more than one column from more than one table with or without conditions.

Cross join or Cartesian product:

Select fewColumnFromFirstTable, fewColumnsFrom secondTable from firstTableName,secondTableName

Result is

M\*N = MN

select first\_name,job\_title from employee, jobs;

cross join using table and column name

select employee.first\_name,employee.job\_id,jobs.job\_title from employee, jobs;

**table alias**

select tableAlias.columName,tableAlias.column from firstName tableAlias,secondTable tableAlias;

select e.first\_name,e.job\_id,j.job\_title from employee e, jobs j;

**Inner join or Equi-Join**

Select fewColumnFromFirstName, fewColumnFromSecondTable firstName inner join secondTableName on firstTableCommonColumn=secondTableCommonColumn

**select e.first\_name,e.salary,d.department\_name from employee e inner join department d on e.department\_id=d.department\_id;**

**select e.first\_name,j.job\_title from employee e inner join jobs j on e.job\_id=j.job\_id;**

left outer join : common + first table remaining records

**select e.first\_name,d.department\_name from employee e left outer join department d on e.department\_id=d.department\_id;**

right outer join : common + second table remaining records

**select e.first\_name,d.department\_name from employee e right outer join department d on e.department\_id=d.department\_id;**

**Employee**

**10 records**

**6 purchase the different insurance.**

**Health insurance**

**5**

**3 company insurance purchased by different employee**

**Order by Clause**

**Which help to display the data in ascending or descending order.**

**select employee\_id, first\_name,salary from employee order by first\_name asc;**

**select employee\_id, first\_name,salary from employee order by first\_name desc**

**select employee\_id, first\_name,salary from employee order by salary asc**

**select employee\_id, first\_name,salary from employee order by salary desc**

**select employee\_id, first\_name,salary from employee order by hire\_date asc**

**select employee\_id, first\_name,salary from employee order by hire\_date desc**