**Company Database Schema**

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| 1. Display the **Department id**, **Department Name** and its **manager id** and the **Manager name.** |
| Select D.Dnum,D.name,e.fname,e.ssn from Departments as D , Employee as E where D.Dnum=E.Dno |
| 1. Display the **project name** and **departments’ name** that **control them** |
| Select P.pname,D.Dname from project as p , Departments as D where P.Dnum=D.Dnum |
| 1. Display the **dependent name** for all the dependence and the **name of the employee** they depend on him/her. |
| Select E.fname,D.Dependet\_name from Employee as E , Dependent as D left join D on E.ssn=D.Essn group by E.fname; |
| 1. Retrieve the employee **first name, project name** of all employees work in **department 10** who **works more than or equal 10 hours**   ordered by **first name**. |
| Select E.fname,P,pname from Employee as E , Project as P left join E on E.Dno=10 and E.ssn=Works\_for.ssn having(Works\_for.Hours<=10) group by E.fname; |
| 1. List the **last name** of all **managers** who have **no dependents.** |
| Select E.lanem from employee as E where E.ssn!= Dependent.Essn and E.ssn=Department.MGRSSN; |
| 1. Display the **department name** which has the **smallest employee ID over all employees' ID.** |
| Select D.Dname from Departments as D having min(employee.ssn) group by D.Dname |
| 1. For each department >>> display **department name and number of its employees**   -- if its **average salary is less than 1200**  select D.Dname , count(E.ssn) from departments as D employee as e where E.Dno =D.Dnum |
| Group by D.Dname having average(E.salary)<1200; |