Show Tables in DATABASE COMPANY

companySQLAssignment*

Limit to 1000 rows

```
243 • select * from department;
244 • select * from dept_locations;
245 • select * from works_on;
246 • select * from project;
247 • select * from DEPENDENT;
248 • show tables;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Tables_in_company
department
dependent
dept_locations
employee
project
works_on

Table Employee

companySQLAssignment*

Limit to 1000 rows

```
242 • select * from employee;
243 • select * from department;
244 • select * from dept_locations;
245 • select * from works_on;
246 • select * from project;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Fname	Minit	Lname	Ssn	Bdate	Address	Sex	Salary	Super_ssn	Dno
John	B	Smith	123456789	1965-01-09	731 Fondren, Houston TX	M	30000	333445555	5
Franklin	T	Wong	333445555	1965-12-08	638 Voss, Houston TX	M	40000	888665555	5
Joyce	A	English	453453453	1972-07-31	5631 Rice, Houston TX	F	25000	333445555	5
Ramesh	K	Narayan	666884444	1962-09-15	975 Fire Oak, Humble TX	M	38000	333445555	5
James	E	Borg	888665555	1937-11-10	450 Stone, Houston TX	M	55000	888665555	1
Jennifer	S	Wallace	987654321	1941-06-20	291 Berry, Bellaire TX	F	43000	888665555	4
Ahmad	V	Jabbar	987987987	1969-03-29	980 Dallas, Houston TX	M	25000	987654321	4
Alicia	J	Zelaya	999887777	1968-01-19	3321 Castle, Spring TX	F	25000	987654321	4
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Table Department

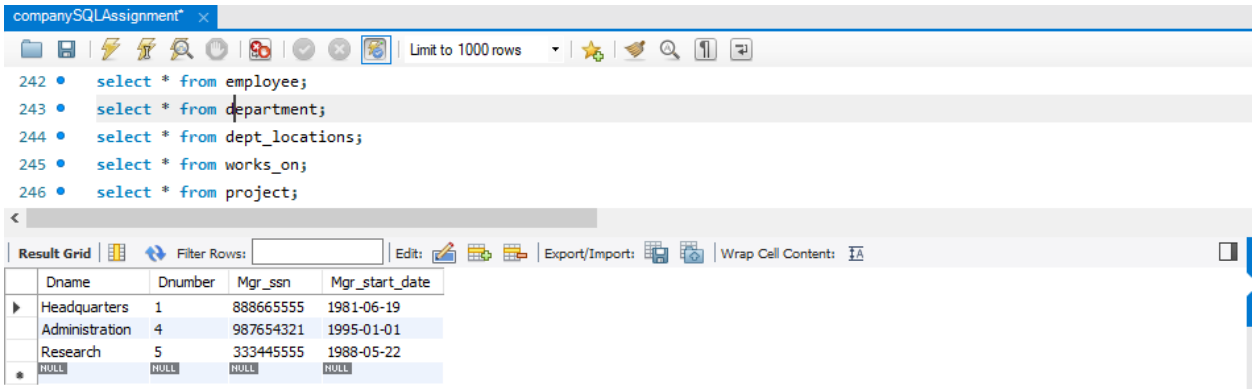


Table Dept_location

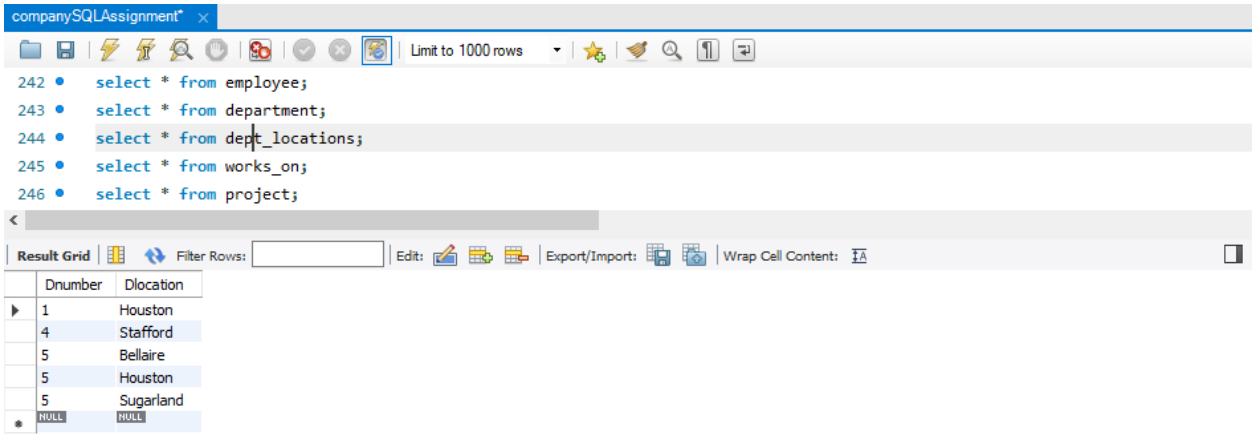


Table Works_on

companySQLAssignment*

Limit to 1000 rows

```
244 •  select * from dept_locations;
245 •  select * from works_on;
246 •  select * from project;
247 •  select * from DEPENDENT;
248 •  show tables;
249 •  Select  e1.Fname ,  e1.Lname , e1.Dno
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Essn	Pno	Hours
123456789	1	32.5
123456789	2	7.5
333445555	2	10.0
333445555	3	10.0
333445555	10	10.0
333445555	20	10.0
453453453	1	20.0
453453453	2	20.0
666884444	3	40.0
888665555	20	16.0
987654321	20	15.0
987654321	30	20.0
987987987	10	35.0
987987987	30	5.0
999887777	10	10.0
999887777	30	30.0
NULL	NULL	NULL

Table Project

companySQLAssignment*

Limit to 1000 rows

```
244 •  select * from dept_locations;
245 •  select * from works_on;
246 •  select * from project;
247 •  select * from DEPENDENT;
248 •  show tables;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Pname	Pnumber	Plocation	Dnum
ProductX	1	Bellaire	5
ProductY	2	Sugarland	5
ProductZ	3	Houston	5
Computerization	10	Stafford	4
Reorganization	20	Houston	1
Newbenefits	30	Stafford	4
NULL	NULL	NULL	NULL

Table Dependent

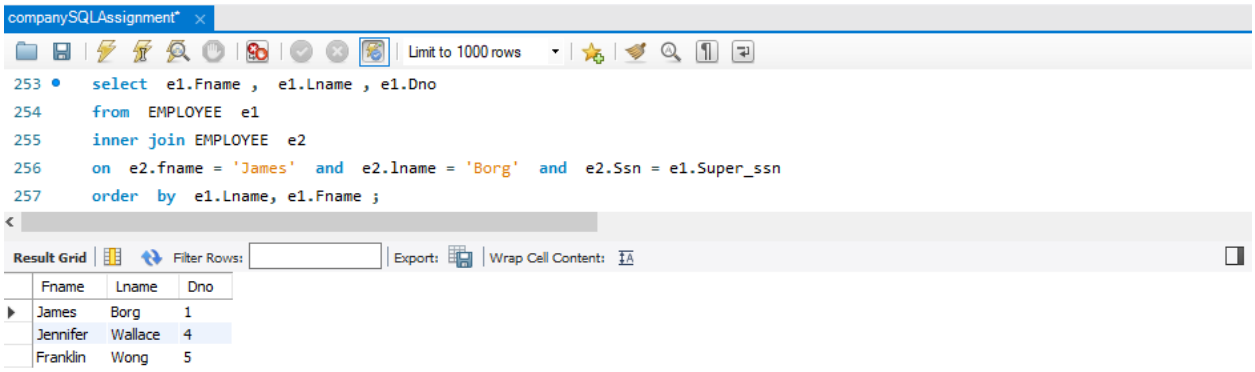
companySQLAssignment*

```
242  select * from employee;
243  select * from department;
244  select * from dept_locations;
245  select * from works_on;
246  select * from project;
247  select * from DEPENDENT;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Essn	Dependent_name	Sex	Bdate	Relationship
123456789	Alice	F	1988-12-30	Daughter
123456789	Elizabeth	F	1967-05-05	Spouse
123456789	Michael	M	1988-01-04	Son
333445555	Alice	F	1986-04-04	Daughter
333445555	Joy	F	1958-05-03	Spouse
333445555	Theodore	M	1983-10-25	Son
987654321	Abner	M	1942-02-28	Spouse
NULL	NULL	NULL	NULL	NULL

1. select e1.Fname , e1.Lname , e1.Dno from EMPLOYEE e1
   inner join EMPLOYEE e2
   on e2.fname = 'James' and e2.lname = 'Borg' and e2.Ssn = e1.Super_ssn
   order by e1.Lname, e1.Fname ;



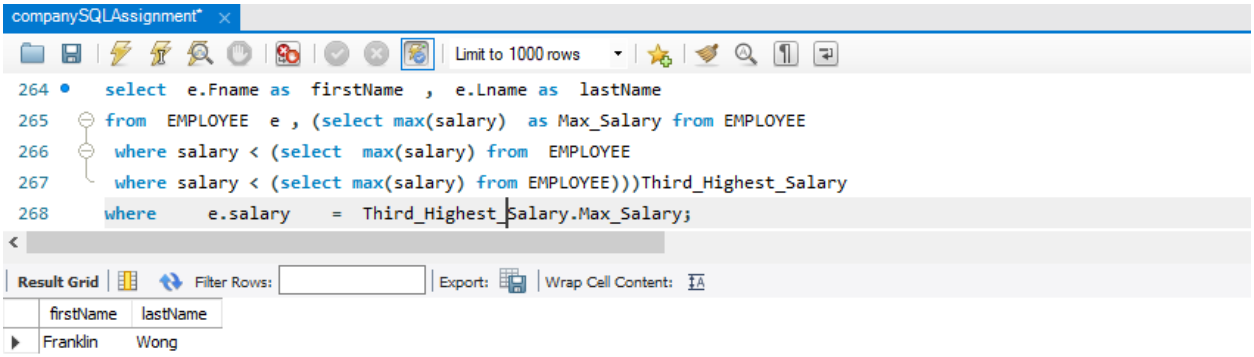
2. select e.Fname as firstName , e.Lname as lastName

from EMPLOYEE e , (select max(salary) as Max_Salary from EMPLOYEE

where salary < (select max(salary) from EMPLOYEE

where salary < (select max(salary) from EMPLOYEE)))Third_Highest_Salary

where e.salary = Third_Highest_Salary.Max_Salary;



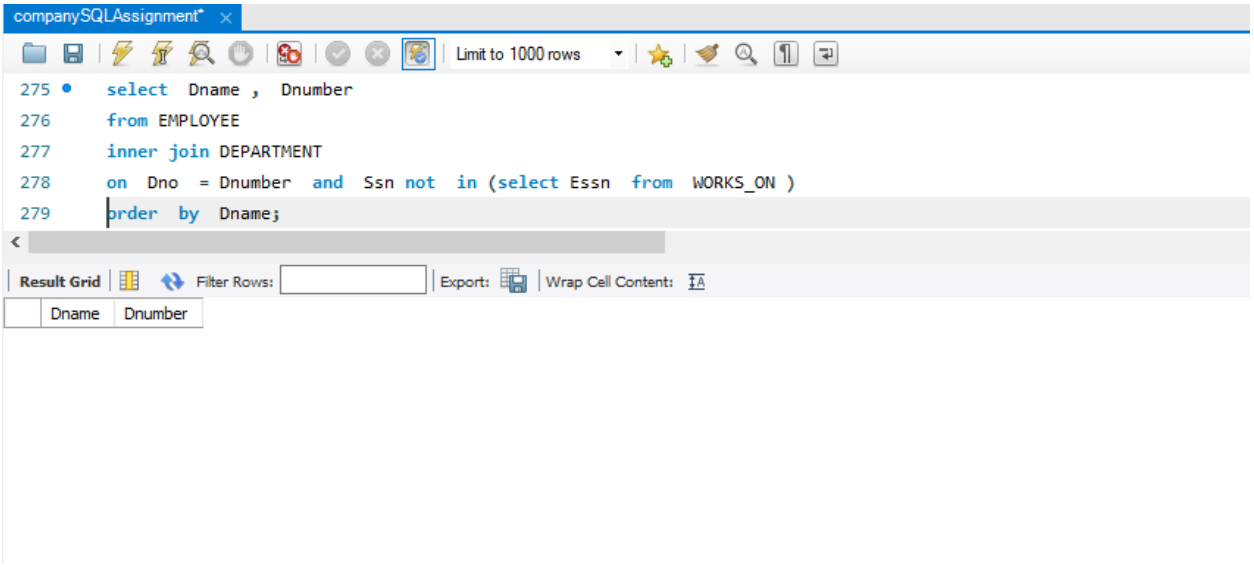
3. select Dname , Dnumber

from EMPLOYEE

inner join DEPARTMENT

on Dno = Dnumber and Ssn not in (select Essn from WORKS_ON)

order by Dname;



4. Select proj.Dname , proj.Project_Hours , emp.Emp_Hours

From (Select Dname , SUM(Hours) AS Project_Hours From WORKS_ON , PROJECT , DEPARTMENT

Where Pno = Pnumber and Dnum = Dnumber

Group by Dname

)proj

INNER JOIN

(Select Dname , SUM(Hours) AS Emp_Hours From WORKS_ON , EMPLOYEE ,DEPARTMENT

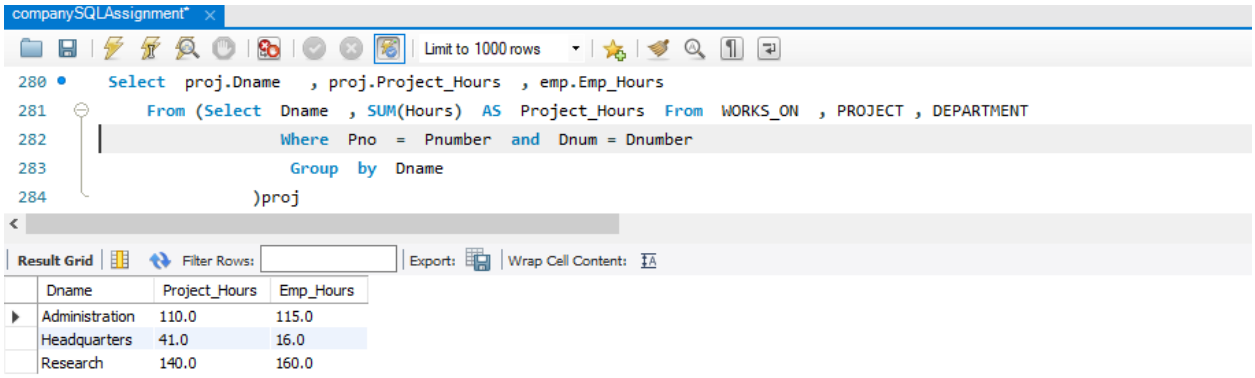
Where Ssn = Essn and Dno = Dnumber

Group by Dname

)emp

ON proj.Dname = emp.Dname

Order by proj.Dname;



5. Select DISTINCT d.Dname , p.Pname

From DEPARTMENT d , EMPLOYEE e , PROJECT p

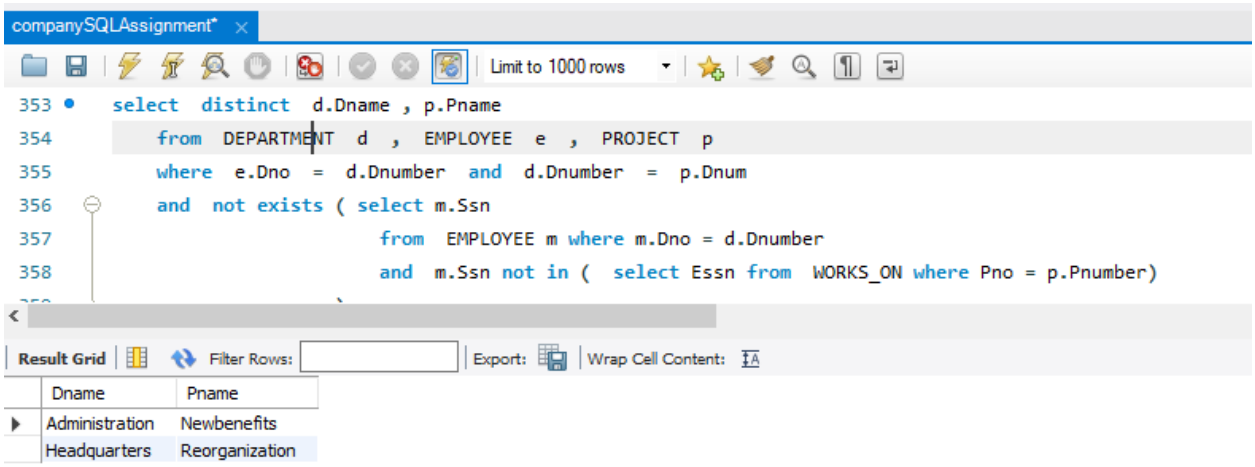
Where e.Dno = d.Dnumber and d.Dnumber = p.Dnum

and not exists (Select m.Ssn From EMPLOYEE m

Where m.Dno = d.Dnumber

And m.Ssn not in (Select Essn From WORKS_ON Where Pno = p.Pnumber))

Order by d.Dname , p.Pname ;

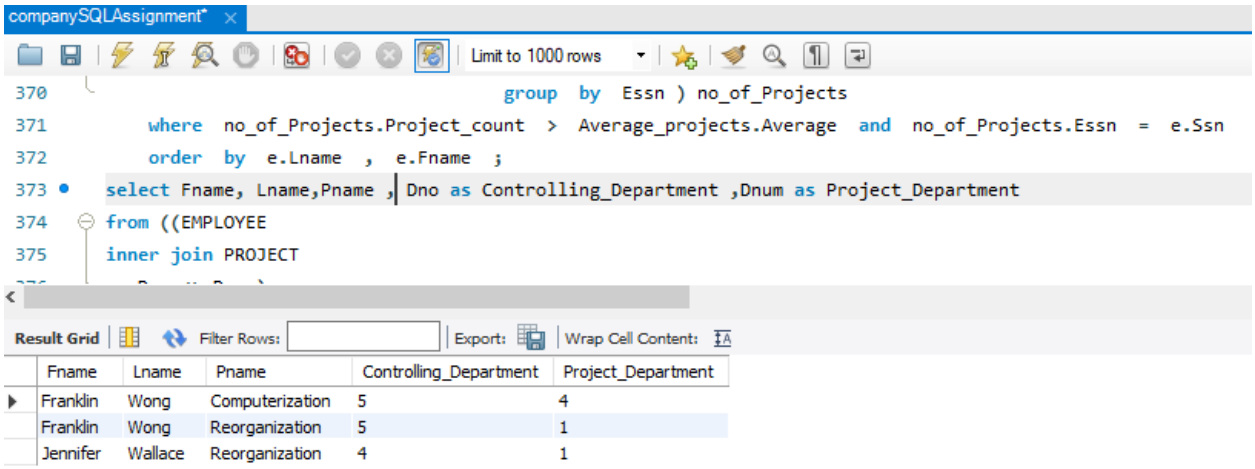


6. Select Fname, Lname,Pname , Dno AS Controlling_Department ,Dnum AS Project_Department

from ((EMPLOYEE inner join PROJECT on Dno <> Dnum)

inner join WORKS_ON on Ssn = Essn and Pno = Pnumber)

Order by Fname, Lname,Pname;



7. Select e.Fname , e.Lname , no_of_Projects.Project_count , Average_projects.Average AS Average_projects

From EMPLOYEE e , (Select Avg(Proj_count.PCount) AS Average

From (Select count(Pno) AS PCount From WORKS_ON

Group by Essn

) Proj_count

) Average_projects ,

(Select Essn , count(Pno) AS Project_count From WORKS_ON

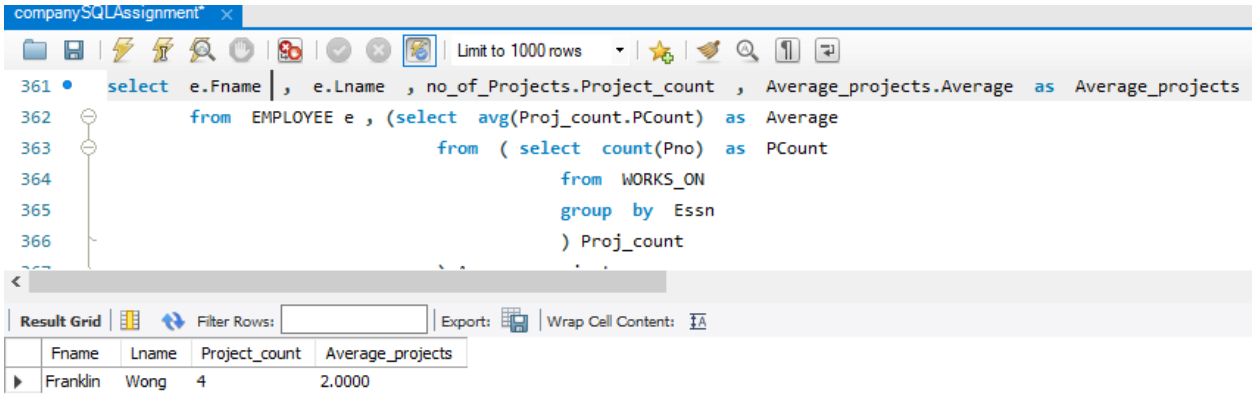
Group by Essn

) no_of_Projects

Where no_of_Projects.Project_count > Average_projects.Average

and no_of_Projects.Essn = e.Ssn

Order by e.Lname , e.Fname ;



8. Select query1.Pno, query2.Pname , query1.no_of_employees

From (Select Pno , Count(Essn) AS no_of_employees

From WORKS_ON

Group by Pno

Having Count(Essn) = (Select max(count_emp.count_of_employees)

From (Select count(*) as count_of_employees

From WORKS_ON

Group by Pno

)count_emp

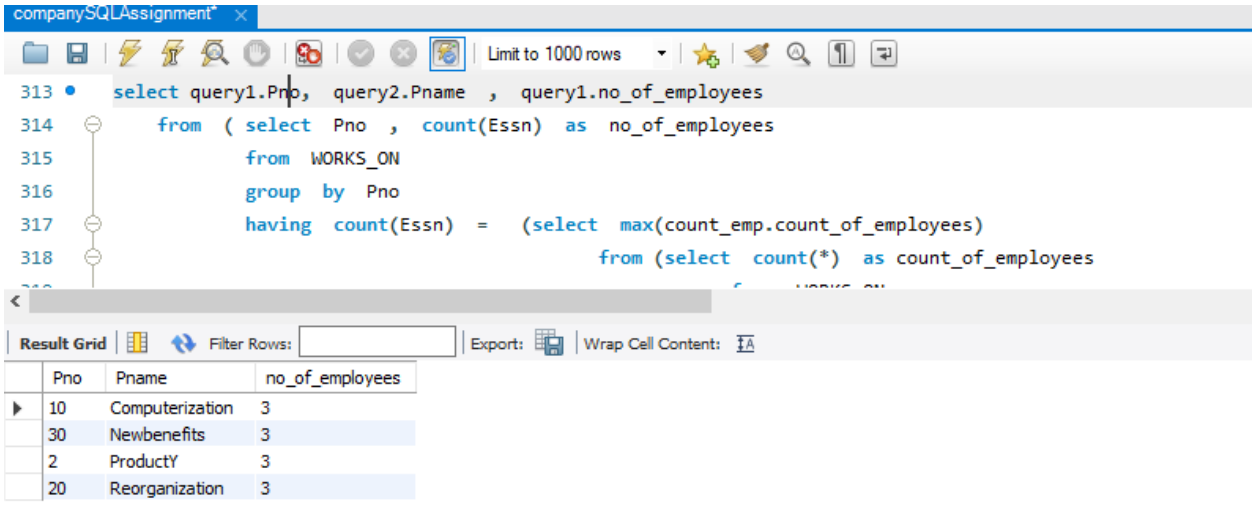
)

)query1,(Select Pnumber , Pname

From PROJECT)query2

Where query1.Pno = query2.Pnumber

Order by query2.Pname;



9. Select d.Dname , l.Dlocation From DEPARTMENT d , DEPT_LOCATIONS l

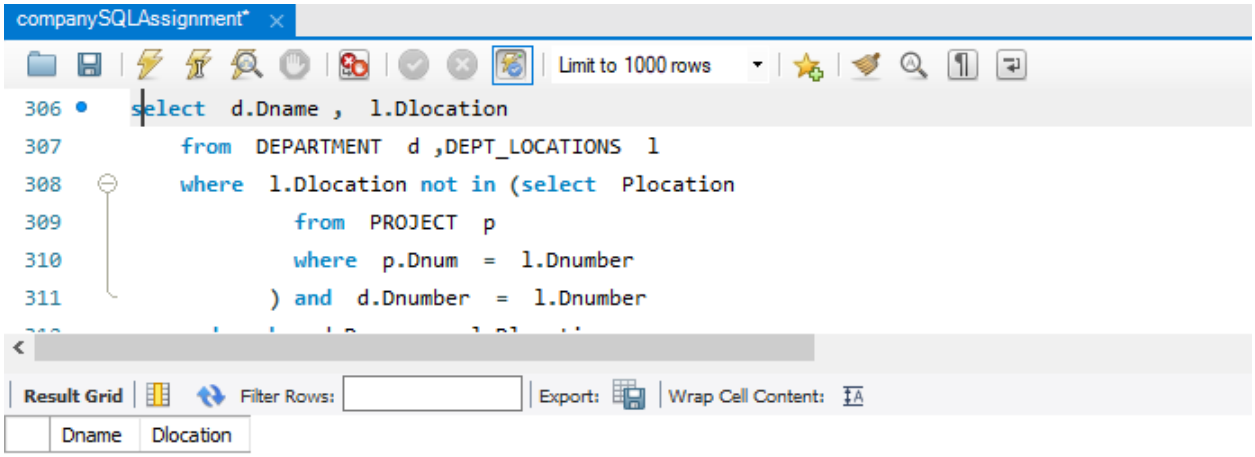
Where l.Dlocation not in (Select Plocation From PROJECT p

Where p.Dnum = l.Dnumber

)

and d.Dnumber = l.Dnumber

Order by d.Dname , l.Dlocation ;



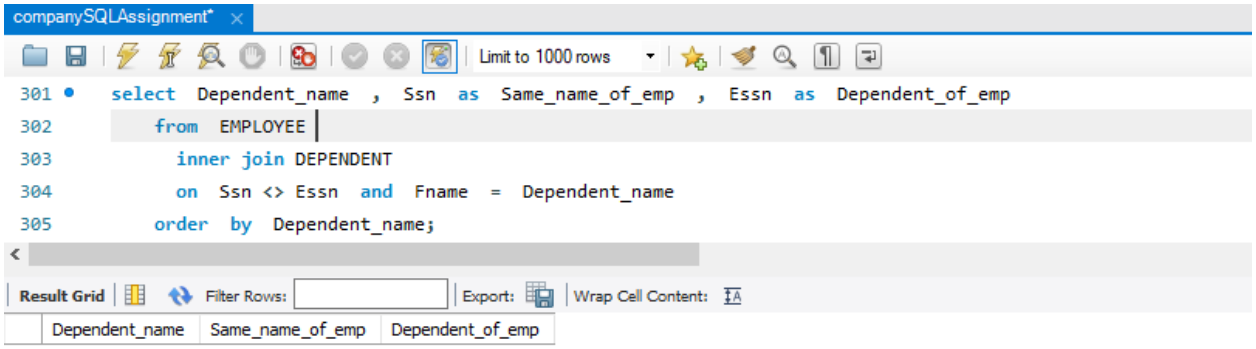
10. Select Dependent_name , Ssn AS Same_name__emp , Essn AS Dependent_of_emp

From EMPLOYEE

inner join DEPENDENT

on Ssn <> Essn and Fname = Dependent_name

Order by Dependent_name;



11. Select DISTINCT e.Fname , e.Lname

From ((EMPLOYEE e

inner join WORKS_ON w

on e.Super_ssn = w.Essn)

inner join PROJECT p

on w.Pno = p.Pnumber and e.Dno <> p.Dnum)

Order by e.Lname , e.Fname ;