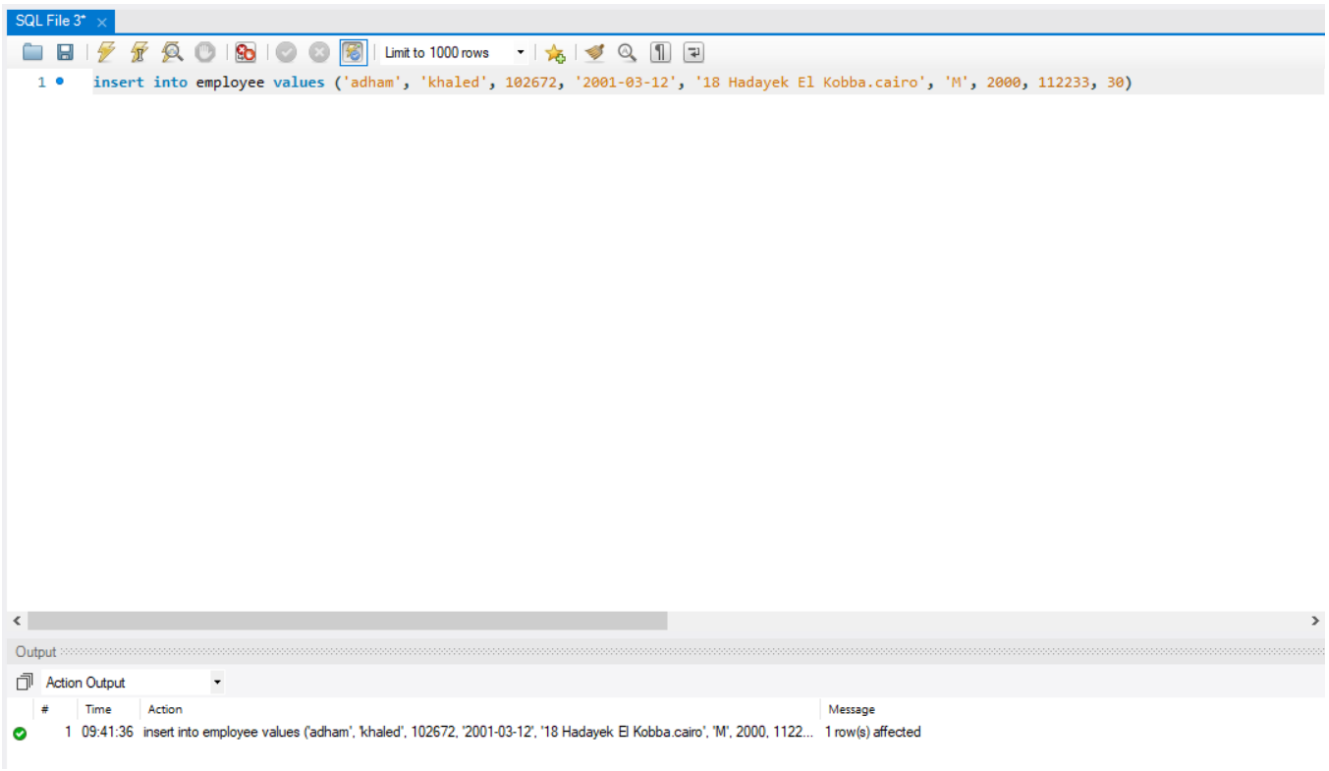
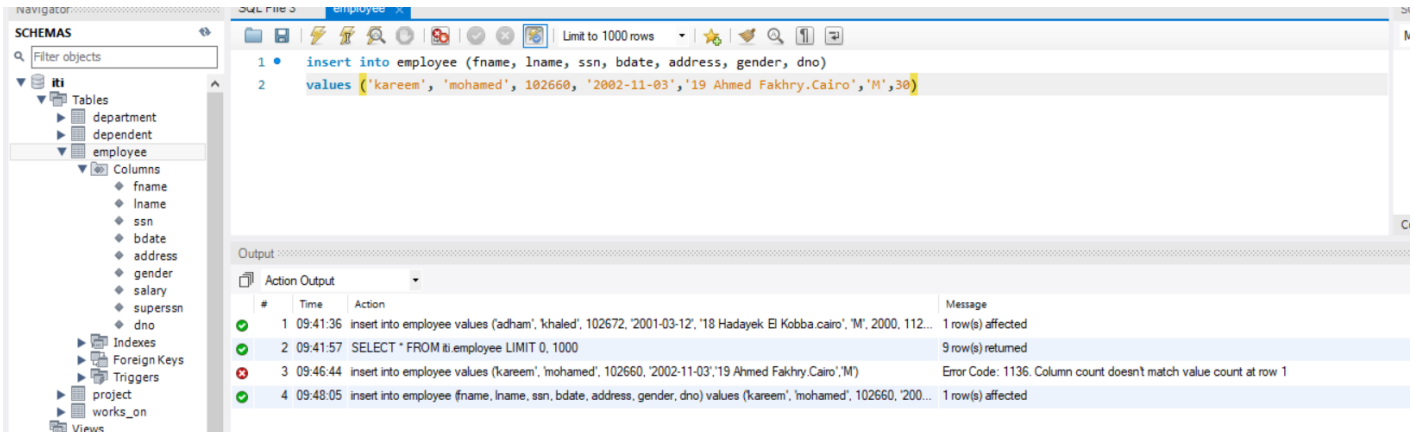
Data Manipulating Language:

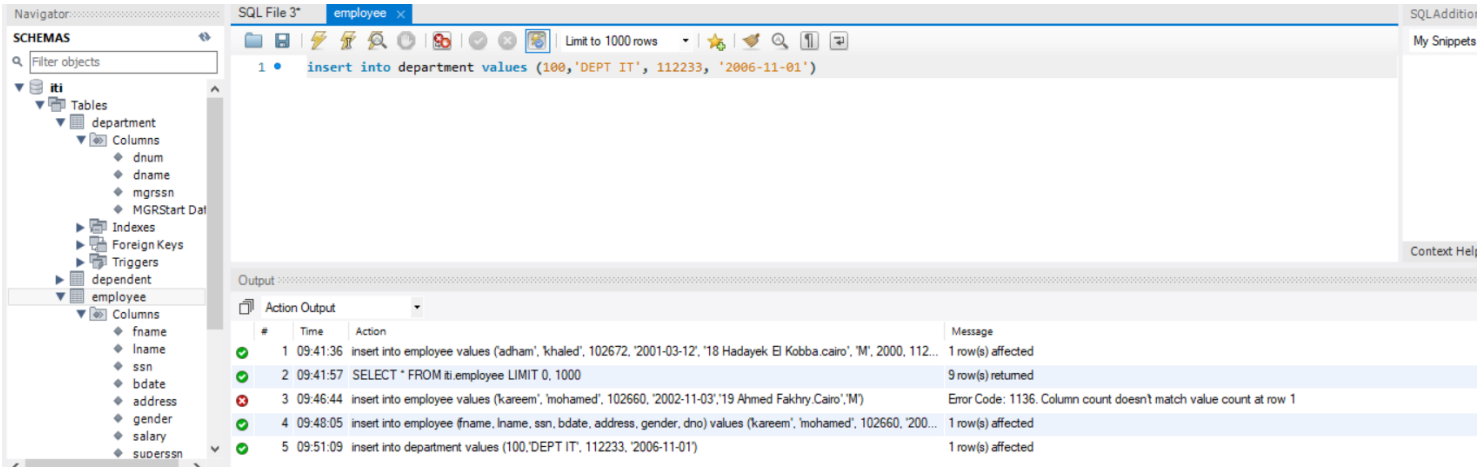
1-



2-

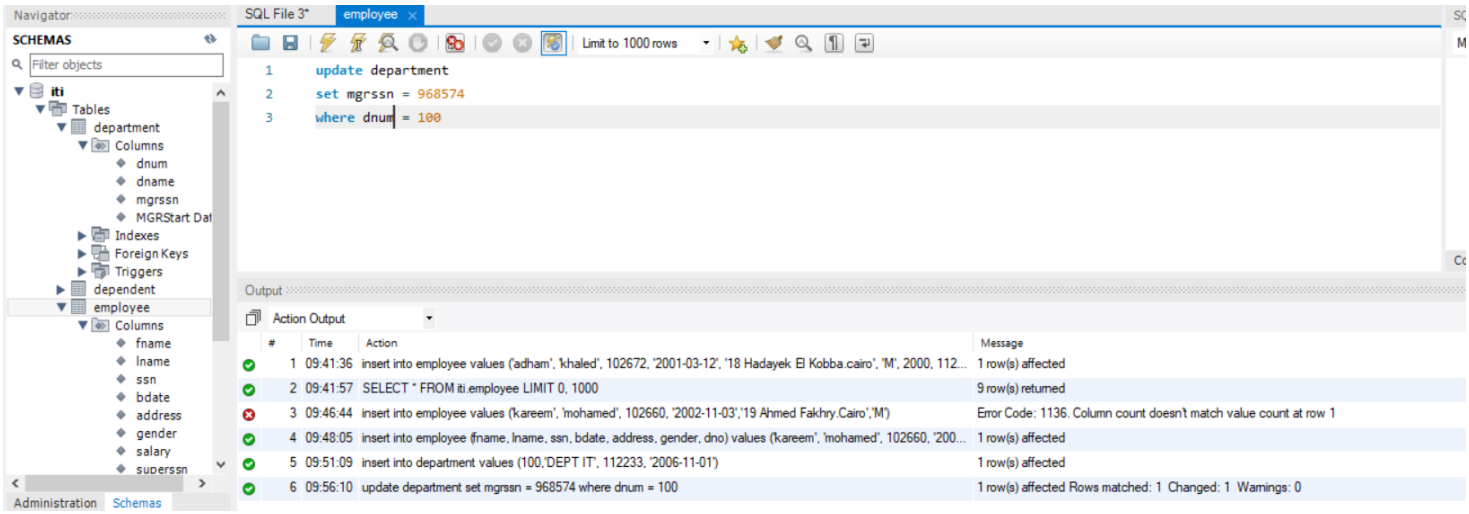


3-


Navigator
SCHEMAS
Filter objects
iti
Tables
department
Columns
dnum
dname
mgrssn
MGRStart Dat
Indexes
Foreign Keys
Triggers
dependent
employee
Columns
fname
lname
ssn
bdate
address
gender
salary
superssn
SQL File 3*
employee
Limit to 1000 rows
1 insert into department values (100,'DEPT IT', 112233, '2006-11-01')
SQLAdditio
My Snippets
Context Hel
Output
Action Output
Time Action Message
1 09:41:36 insert into employee values ('adham', 'khaled', 102672, '2001-03-12', '18 Hadayek El Kobba,cairo', 'M', 2000, 112... 1 row(s) affected
2 09:41:57 SELECT * FROM iti.employee LIMIT 0, 1000 9 row(s) returned
3 09:46:44 insert into employee values ('kareem', 'mohamed', 102660, '2002-11-03','19 Ahmed Fakhry,Cairo','M') Error Code: 1136. Column count doesn't match value count at row 1
4 09:48:05 insert into employee (fname, lname, ssn, bdate, address, gender, dno) values ('kareem', 'mohamed', 102660, '200... 1 row(s) affected
5 09:51:09 insert into department values (100,'DEPT IT', 112233, '2006-11-01') 1 row(s) affected

4-

a-


Navigator
SCHEMAS
Filter objects
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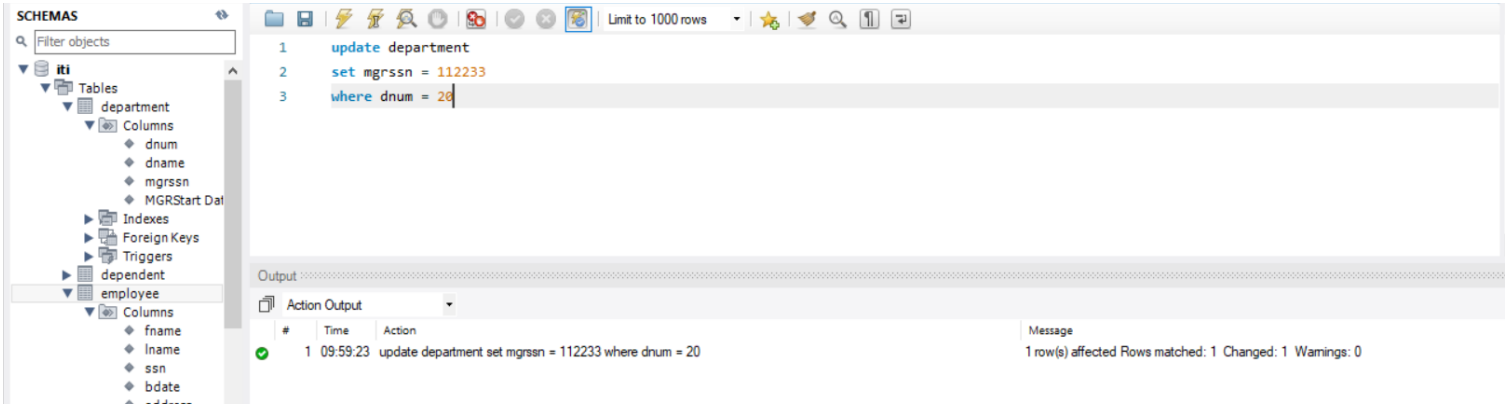
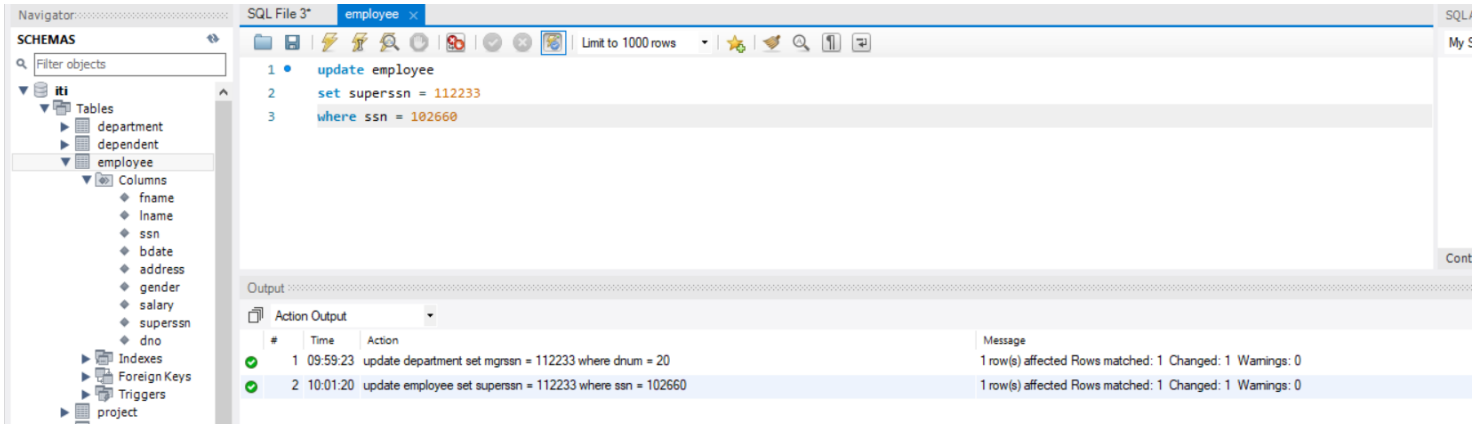
Tables
department
Columns
dnum
dname
mgrssn
MGRStart Dat
Indexes
Foreign Keys
Triggers
dependent
employee
Columns
fname
lname
ssn
bdate
address
gender
salary
superssn
Administration
Schemas
SQL File 3*
employee
Limit to 1000 rows
1 update department
2 set mgrssn = 968574
3 where dnum = 100
Output
Action Output
Time Action Message
1 09:41:36 insert into employee values ('adham', 'khaled', 102672, '2001-03-12', '18 Hadayek El Kobba,cairo', 'M', 2000, 112... 1 row(s) affected
2 09:41:57 SELECT * FROM iti.employee LIMIT 0, 1000 9 row(s) returned
3 09:46:44 insert into employee values ('kareem', 'mohamed', 102660, '2002-11-03','19 Ahmed Fakhry,Cairo','M') Error Code: 1136. Column count doesn't match value count at row 1
4 09:48:05 insert into employee (fname, lname, ssn, bdate, address, gender, dno) values ('kareem', 'mohamed', 102660, '200... 1 row(s) affected
5 09:51:09 insert into department values (100,'DEPT IT', 112233, '2006-11-01') 1 row(s) affected
6 09:56:10 update department set mgrssn = 968574 where dnum = 100 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

b-

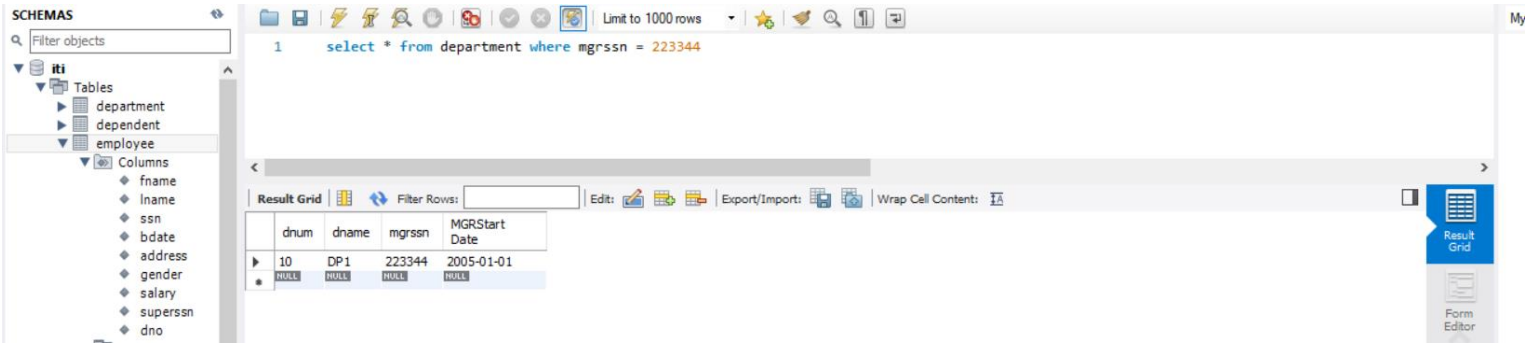

SCHEMAS
Filter objects
iti
Tables
department
Columns
dnum
dname
mgrssn
MGRStart Dat
Indexes
Foreign Keys
Triggers
dependent
employee
Columns
fname
lname
ssn
bdate
Limit to 1000 rows
1 update department
2 set mgrssn = 112233
3 where dnum = 20
Output
Action Output
Time Action Message
1 09:59:23 update department set mgrssn = 112233 where dnum = 20 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

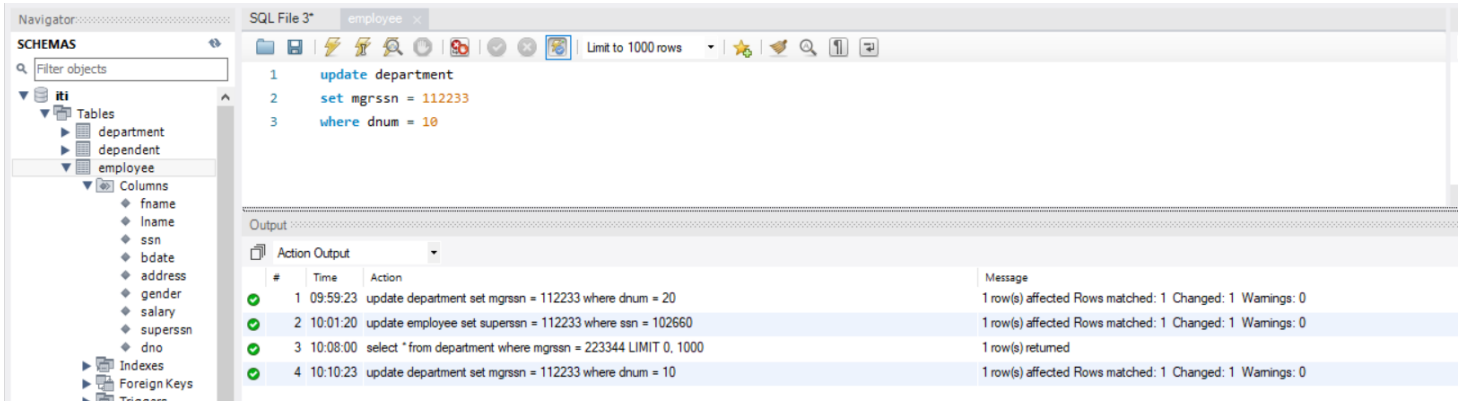
c-



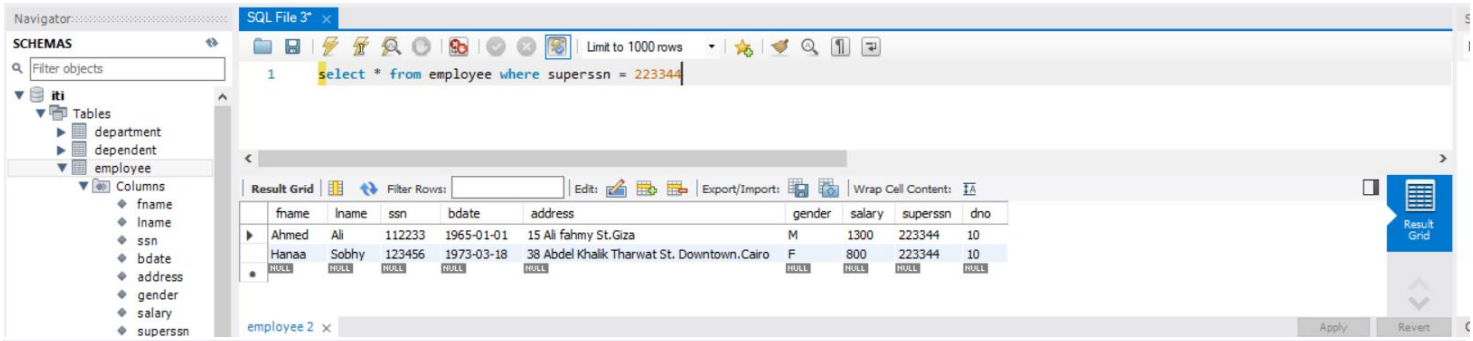
5-

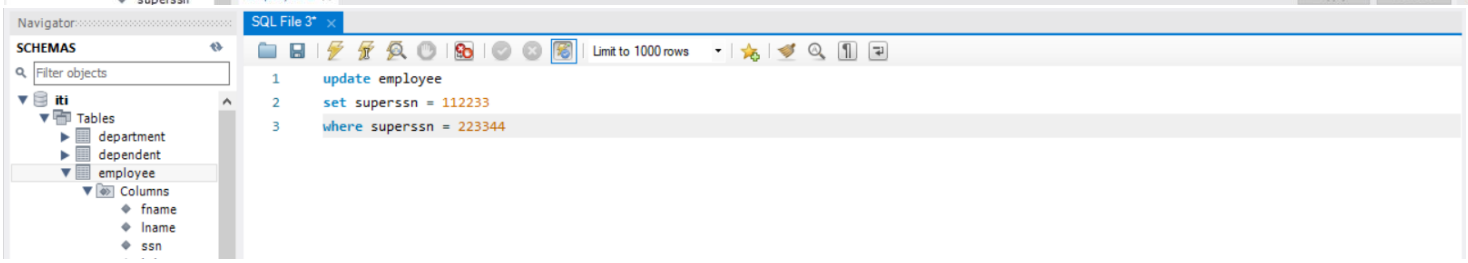
Check if Mr.Kamel is a department manager and take his position



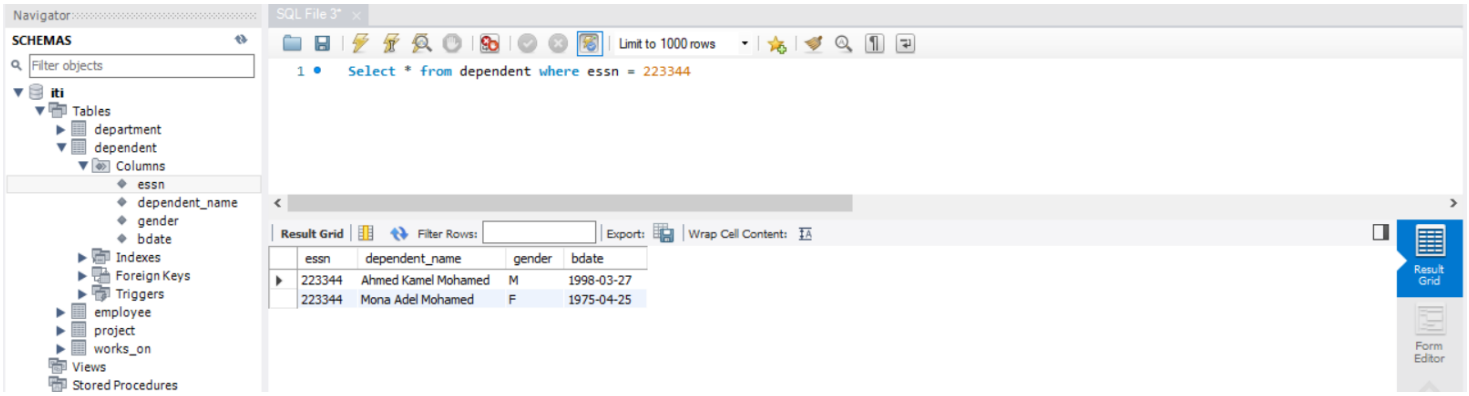


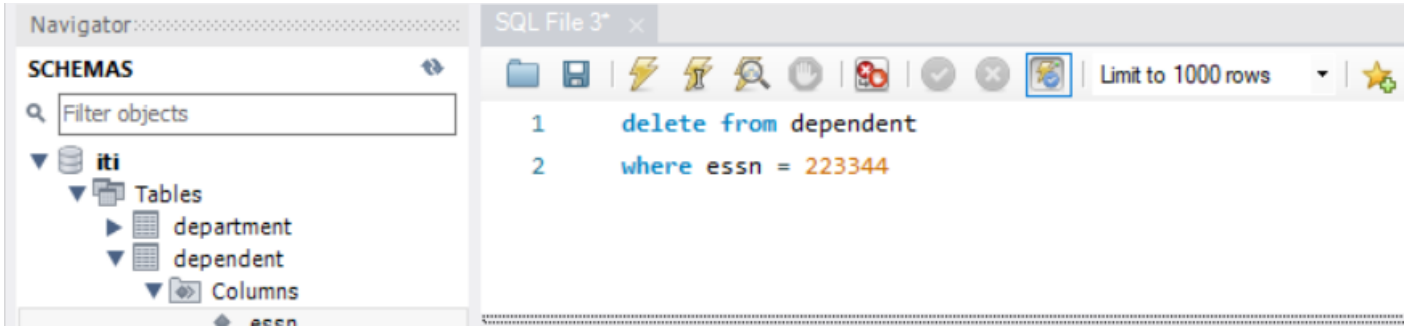
Check if Mr. Kamel supervises any employees and take his position



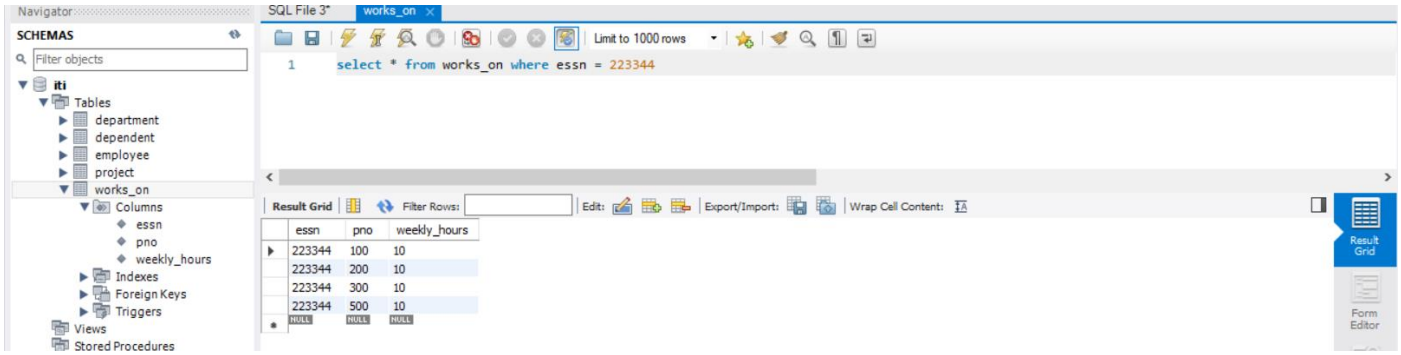


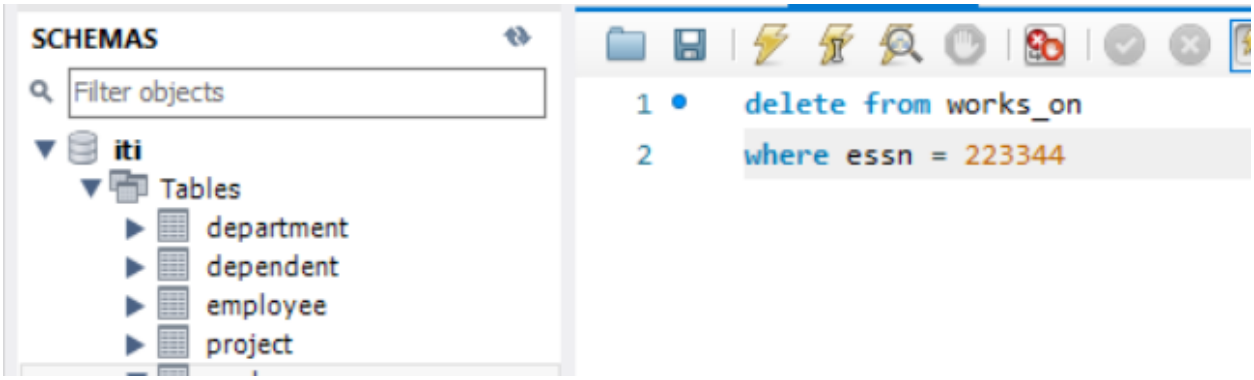
Check if he has dependents and delete them



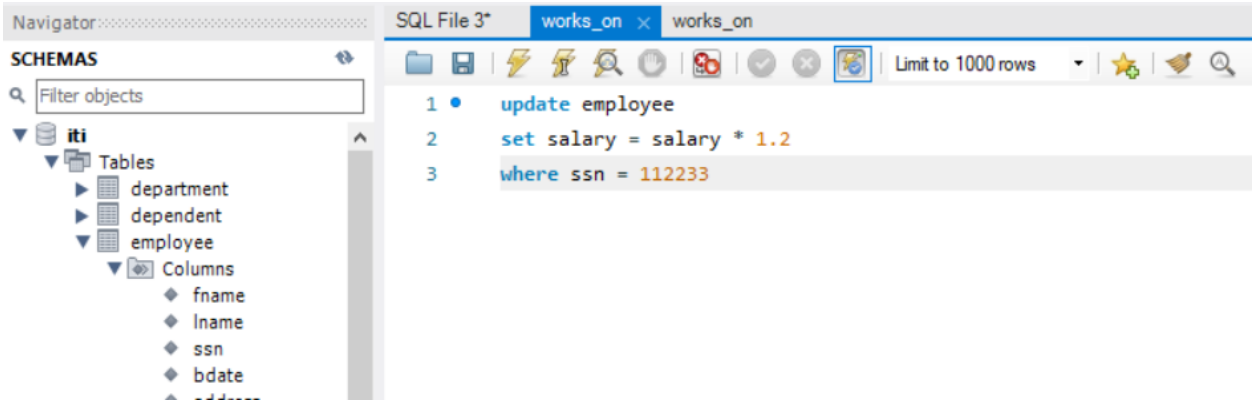


Check if Mr.Kamel works on any project and delete them



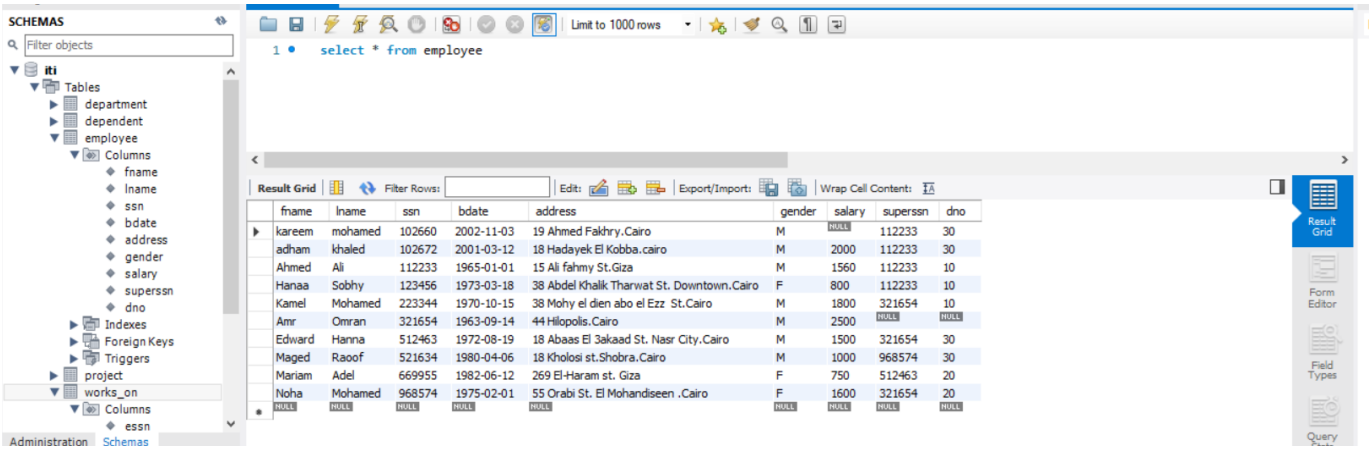


6-

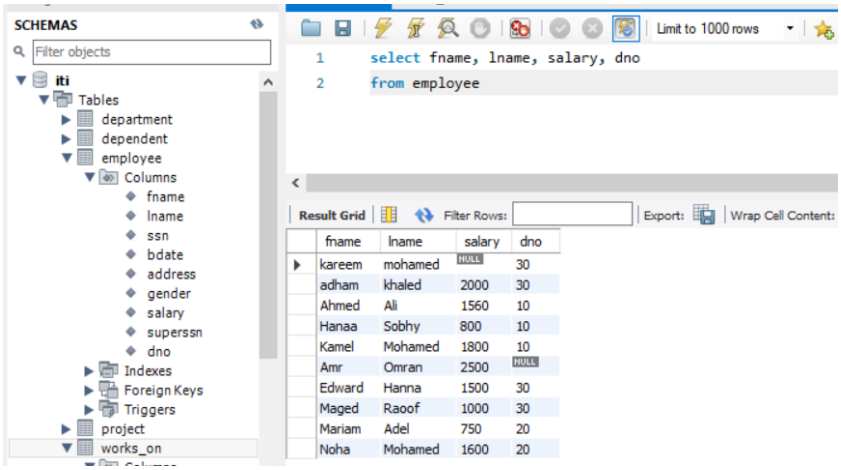


Write the following queries

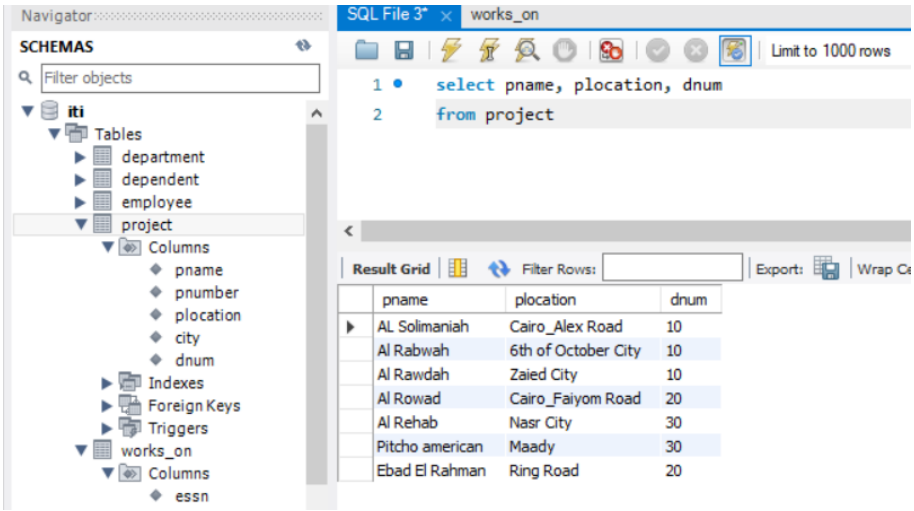
1-



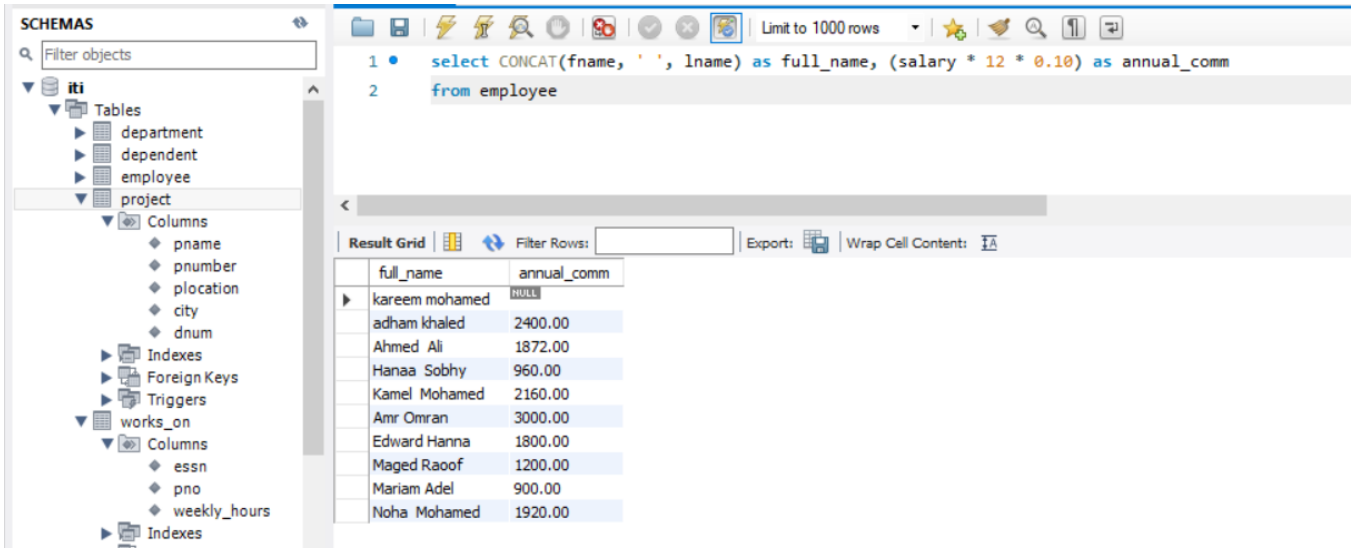
2-



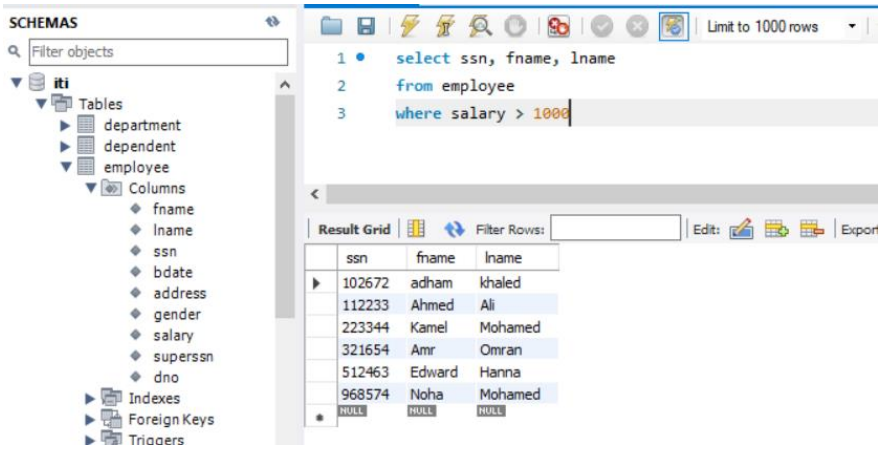
3-



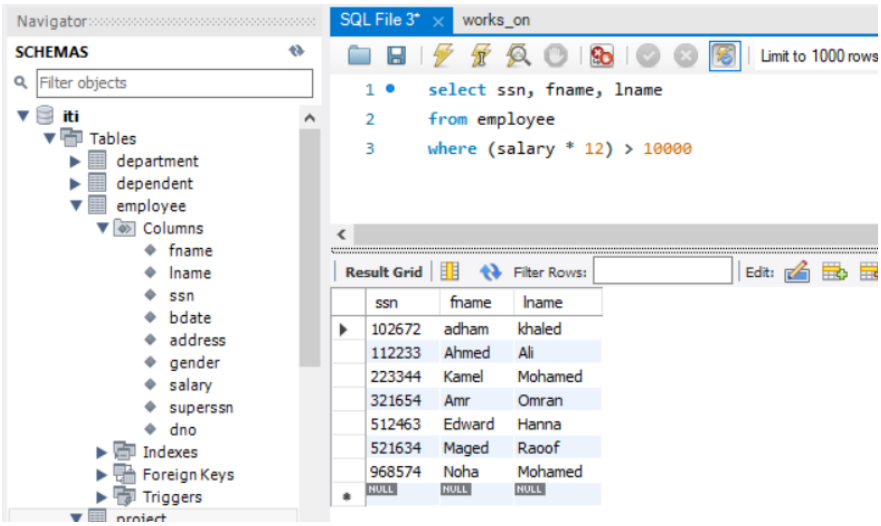
4-


SCHEMAS
Filter objects
iti
Tables
department
dependent
employee
project
Columns
pname
pnumber
plocation
city
dnum
Indexes
Foreign Keys
Triggers
works_on
Columns
essn
pno
weekly_hours
Indexes
Limit to 1000 rows
1 select CONCAT(fname, ' ', lname) as full_name, (salary * 12 * 0.10) as annual_comm
2 from employee
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
full_name annual_comm
kareem mohamed NULL
adham khaled 2400.00
Ahmed Ali 1872.00
Hanaa Sobhy 960.00
Kamel Mohamed 2160.00
Amr Omran 3000.00
Edward Hanna 1800.00
Maged Raoof 1200.00
Mariam Adel 900.00
Noha Mohamed 1920.00

5-


SCHEMAS
Filter objects
iti
Tables
department
dependent
employee
Columns
fname
lname
ssn
bdate
address
gender
salary
superssn
dno
Indexes
Foreign Keys
Triggers
Limit to 1000 rows
1 select ssn, fname, lname
2 from employee
3 where salary > 1000
Result Grid
Filter Rows:
Edit:
Export
ssn fname lname
102672 adham khaled
112233 Ahmed Ali
223344 Kamel Mohamed
321654 Amr Omran
512463 Edward Hanna
968574 Noha Mohamed
NULL NULL NULL

6-


Navigator
SCHEMAS
Filter objects
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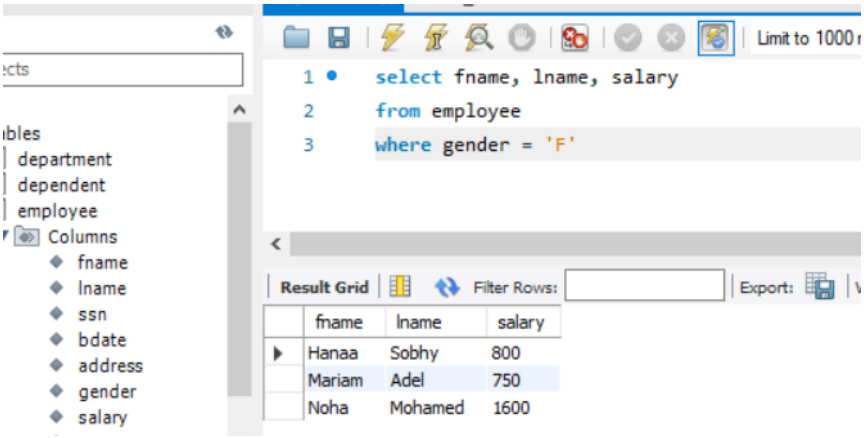
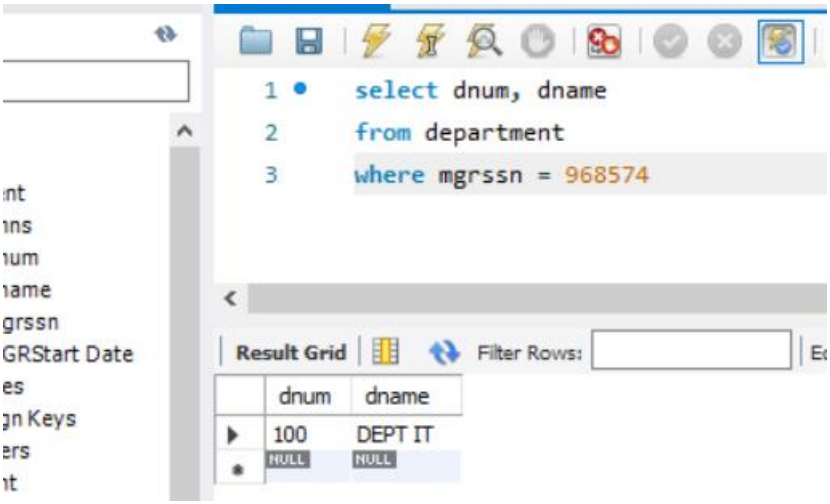
Tables
department
dependent
employee
Columns
fname
lname
ssn
bdate
address
gender
salary
superssn
dno
Indexes
Foreign Keys
Triggers
SQL File 3*
works_on
Limit to 1000 rows
1 select ssn, fname, lname
2 from employee
3 where (salary * 12) > 10000
Result Grid
Filter Rows:
Edit:
ssn fname lname
102672 adham khaled
112233 Ahmed Ali
223344 Kamel Mohamed
321654 Amr Omran
512463 Edward Hanna
521634 Maged Raoof
968574 Noha Mohamed
NULL NULL NULL

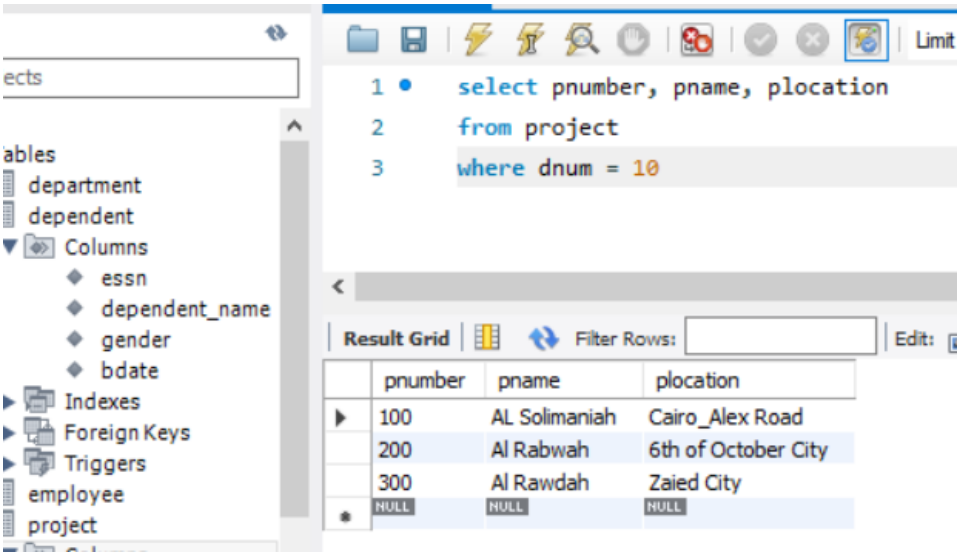
7-


department
dependent
employee
Columns
fname
lname
ssn
bdate
address
gender
salary
Limit to 1000
1 select fname, lname, salary
2 from employee
3 where gender = 'F'
Result Grid
Filter Rows:
Export:
fname lname salary
Hanaa Sobhy 800
Mariam Adel 750
Noha Mohamed 1600

8-


1 select dnum, dname
2 from department
3 where mgrssn = 968574
Result Grid
Filter Rows:
dnum dname
100 DEPT IT
NULL NULL

9-


department
dependent
Columns
essn
dependent_name
gender
bdate
Indexes
Foreign Keys
Triggers
employee
project
1 select pnumber, pname, plocation
2 from project
3 where dnum = 10
Result Grid
Filter Rows:
Edit:
pnumber pname plocation
100 AL Solimaniah Cairo_Alex Road
200 Al Rabwah 6th of October City
300 Al Rawdah Zaied City
NULL NULL NULL