

1. Insert your personal data to the employee table as a new employee in department number 30, SSN = 102672, Superssn = 112233.
2. Insert another employee with, personal data your friend as new employee in department number 30, SSN = 102660, but don't enter any value for salary or supervisor number to him.
3. In the department table insert new department called "DEPT IT", with id 100, employee with SSN = 112233 as a manager for this department. The start date for this manager is '1-11-2006'.

```

1 • insert into employee values(102672,'shorouq','hossam','2000-10-01','mansoura','f',7000,112233,30);
2 • insert into employee(SSN,Fname,Lname,Bdate,Address,Gender,DNO)
3     values(102660,'amina','mohammed','2001-7-1','mansoura','f',30);
4 • insert into departments values('DEPT IT',100,112233,'2006-11-1');
5

```

1. Display all the employees' data.

```

1 • SELECT * FROM employee;

```

SSN	Fname	Lname	Bdate	Address	Gender	Salary	SuperSSN	DNO
102660	amina	mohammed	2001-07-01	mansoura	f			30
102672	shorouq	hossam	2000-10-01	mansoura	f	7000	112233	30
112233	Ahmed	Ali	1965-01-01	15 Ali fahmy St.Giza	M	1300	223344	10
123456	Hanaa	Sobhy	1973-03-18	38 Abdel Khalk Tharwat St. Downtown.Cairo	F	800	223344	10
223344	Kamel	Mohamed	1970-10-15	38 Mohy el dien abo el Ezz St.Cairo	M	1800	321654	10
321654	Amr	Omran	1963-09-14	44 Hilopolis.Cairo	M	2500		
512463	Edward	Hanna	1972-08-19	18 Abaas El Sakaad St. Nasr City.Cairo	M	1500	321654	30
521634	Maged	Raouf	1980-06-04	18 Kholosi st.Shobra.Cairo	M	1000	968574	30
669955	Mariam	Adel	1982-12-06	269 El-Haram st. Giza	F	750	512463	20
968574	Noha	Mohamed	1975-01-02	55 Orabi St. El Mohandiseen .Cairo	F	1600	321654	20

2. Display the employee First name, last name, Salary and Department number.

```

1 • select Fname,Lname,Salary,DNO from employee;

```

Fname	Lname	Salary	DNO
amina	mohammed		30
shorouq	hossam	7000	30
Ahmed	Ali	1300	10
Hanaa	Sobhy	800	10
Kamel	Mohamed	1800	10
Amr	Omran	2500	
Edward	Hanna	1500	30
Maged	Raouf	1000	30
Mariam	Adel	750	20
Noha	Mohamed	1600	20

3. Display all the projects names, locations and the department which is responsible about it.

```
1 • select Pname,Plocation,Dname from project,departments where project .Dnum=departments.Dnum;
```

Pname	Plocation	Dname
AL Solimaniah	Cairo_Alex Road	DP1
Al Rabwah	6th of October City	DP1
Al Rawdah	Zaied City	DP1
Al Rowad	Cairo_Faiyom Road	DP2
Al Rehab	Nasr City	DP3
Pitcho american	Maady	DP3
Ebad El Rahman	Ring Road	DP2

4. If you know that the company policy is to pay an annual commission for each employee with specific percent equals 10% of his/her annual salary. Display each employee full name and his annual commission in an ANNUAL COMM column (alias).

```
1 • select concat(Fname,' ',Lname) as "FullName",Salary*12*0.1 as "ANNUAL COMM" from employees;
```

FullName	ANNUAL COMM
amina mohammed	8400.0
shorouq hossam	8400.0
Ahmed Ali	1560.0
Hanaa Sobhy	960.0
Kamel Mohamed	2160.0
Amr Omran	3000.0
Edward Hanna	1800.0
Maged Raoof	1200.0
Mariam Adel	900.0
Noha Mohamed	1920.0

5. Display the employees Id, name who earns more than 10000 LE annually.

```
1 • select SSN,Fname from employee where Salary*12>10000;
```

SSN	Fname
102672	shorouq
112233	Ahmed
223344	Kamel
321654	Amr
512463	Edward
521634	Maged
968574	Noha

6. Display the names and salaries of the female employees .

```
1 select Fname,Lname,Salary from employee where Gender='f';
```

Fname	Lname	Salary
amina	mohammed	1000
shorouq	hossam	7000
Hanaa	Sobhy	800
Mariam	Adel	750
Noha	Mohamed	1600

7. Display the Department id, name and id and the name of its manager.

```
1 select Dnum,Dname,MGRSSN,Fname,Lname from departments,employee
2 where MGRSSN=SSN;
```

Dnum	Dname	MGRSSN	Fname	Lname
10	DP1	223344	Kamel	Mohamed
20	DP2	968574	Noha	Mohamed
30	DP3	512463	Edward	Hanna
100	DEPT IT	112233	Ahmed	Ali

8. Display the Id, name and location of the projects in Cairo or Alex city.

```
1 select Pnumber,Pname,Plocation from project where City in('cairo','alex');
```

Pnumber	Pname	Plocation
100	AL Solimaniah	Cairo_Alex Road
500	Al Rehab	Nasr City
600	Pitcho american	Maady
700	Ebad El Rahman	Ring Road

9. Retrieve the names of all employees and the names of the projects they are working on, sorted by the project name.

```

1 • select Fname,Lname,Pname from employee,project,works_for
2     where Essn=SSN and Pno=Pnumber order by Pname;

```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
Fname	Lname	Pname			
Kamel	Mohamed	Al Rabwah			
Kamel	Mohamed	Al Rawdah			
Maged	Raof	Al Rawdah			
Mariam	Adel	Al Rawdah			
Noha	Mohamed	Al Rawdah			
Kamel	Mohamed	Al Rehab			
Edward	Hanna	Al Rehab			
Maged	Raof	Al Rehab			
Maged	Raof	Al Rowad			
Mariam	Adel	Al Rowad			
Noha	Mohamed	Al Rowad			

10. Find the names of the employees who directly supervised with Kamel Mohamed.

```

1 • select e.Fname,e.Lname from employee e,employee s
2     where e.SuperSSN=s.SSN and s.Fname='Kamel' and s.Lname='Mohamed';

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
Fname	Lname			
Ahmed	Ali			
Hanaa	Sobhy			