1.Display all the employees Data.

```
SELECT * FROM Employee;
```

Showing rows 0 - 7 (8 total, Query took 0.0159 seconds.)

```
SELECT * FROM Employee;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

←T→	Fname	Lname	SSN	BDATE	Address	Sex	Salary	Superssn	Dno
Edit Copy Delete	Ahmed	Ali	112233	1965-01-01	15 Ali fahmy St.Giza	M	1300.00	223344	10
Edit Copy Delete	Hanaa	Sobhy	123456	1973-03-18	38 Abdel Khalik Tharwat St. Downtown.Cairo	F	800.00	223344	10
Edit Copy Delete	Kamel	Mohamed	223344	1970-10-15	38 Mohy el dien abo el Ezz St.Cairo	M	1800.00	321654	10
Edit Copy Delete	Amr	Omran	321654	1963-09-14	44 Hilopolis.Cairo	M	2500.00	NULL	NULL
Edit Copy Delete	Edward	Hanna	512463	1972-08-19	18 Abaas El 3akaad St. Nasr City.Cairo	M	1500.00	321654	30
Edit Copy Delete	Maged	Raoof	521634	1980-04-06	18 Kholosi st.Shobra.Cairo	M	1000.00	968574	30
Edit Copy Delete	Mariam	Adel	669955	1982-06-12	269 El-Haram st. Giza	F	750.00	512463	20
Edit Copy Delete	Noha	Mohamed	968574	1975-02-01	55 Orabi St. El Mohandiseen .Cairo	F	1600.00	321654	20

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

```
SELECT Fname, Lname, Salary, Dno FROM Employee;
```

```
SELECT Fname, Lname, Salary, Dno FROM Employee;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table Sort by

Extra options

←T→	Fname	Lname	Salary	Dno
Edit Copy Delete	Ahmed	Ali	1300.00	10
Edit Copy Delete	Hanaa	Sobhy	800.00	10
Edit Copy Delete	Kamel	Mohamed	1800.00	10
Edit Copy Delete	Amr	Omran	2500.00	NULL
Edit Copy Delete	Edward	Hanna	1500.00	30
Edit Copy Delete	Maged	Raoof	1000.00	30
Edit Copy Delete	Mariam	Adel	750.00	20
Edit Copy Delete	Noha	Mohamed	1600.00	20

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

```
SELECT Pname, Plocation, Dnum FROM Project;
```

Showing rows 0 - 6 (7 total, Query took 0.0003 seconds.)

```
SELECT Pname, Plocation, Dnum FROM Project;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table

Extra options

←T→	Pname	Plocation	Dnum
Edit Copy Delete	AL Solimaniah	Cairo_Alex Road	10
Edit Copy Delete	Al Rabwah	6th of October City	10
Edit Copy Delete	Al Rawdah	Zaied City	10
Edit Copy Delete	Al Rowad	Cairo_Faiyom Road	20
Edit Copy Delete	Al Rehab	Nasr City	30
Edit Copy Delete	Pitcho american	Maady	30
Edit Copy Delete	Ebad El Rahman	Ring Road	20

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

```
SELECT concat(Fname,Lname) AS Full_Name, (Salary * 12 * 0.10) AS ANNUAL_COMM FROM Employee;
```

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
SELECT concat(Fname,Lname) AS Full_Name, (Salary * 12 * 0.10) AS ANNUAL_COMM FROM Employee;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

Full_Name	ANNUAL_COMM
AhmedAli	1560.0000
HanaaSobhy	960.0000
KamelMohamed	2160.0000
AmrOmran	3000.0000
EdwardHanna	1800.0000
MagedRaoof	1200.0000
MariamAdel	900.0000
NohaMohamed	1920.0000

Display the employees Id, name who earns more than 1000 LE monthly.

```
SELECT SSN, Fname, Lname FROM Employee WHERE Salary > 1000;
```

```
SELECT SSN, Fname, Lname FROM Employee WHERE Salary > 1000;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table Sort by

Extra options

	SSN	Fname	Lname
Edit Copy Delete	112233	Ahmed	Ali
Edit Copy Delete	223344	Kamel	Mohamed
Edit Copy Delete	321654	Amr	Omran
Edit Copy Delete	512463	Edward	Hanna
Edit Copy Delete	968574	Noha	Mohamed

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

```
SELECT SSN, Fname, Lname FROM Employee WHERE Salary * 12 > 10000;
```

Showing rows 0 - 5 (6 total, Query took 0.0003 seconds.)

```
SELECT SSN, Fname, Lname FROM Employee WHERE Salary * 12 > 10000;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table

Extra options

	SSN	Fname	Lname
Edit Copy Delete	112233	Ahmed	Ali
Edit Copy Delete	223344	Kamel	Mohamed
Edit Copy Delete	321654	Amr	Omran
Edit Copy Delete	512463	Edward	Hanna
Edit Copy Delete	521634	Maged	Raoof
Edit Copy Delete	968574	Noha	Mohamed

Display the names and salaries of the female employees

```
SELECT Fname, Lname, Salary FROM Employee WHERE Sex = 'F';
```

Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

```
SELECT Fname, Lname, Salary FROM Employee WHERE Sex = 'F';
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table

Extra options

			Fname	Lname	Salary
Edit	Copy	Delete	Hanaa	Sobhy	800.00
Edit	Copy	Delete	Mariam	Adel	750.00
Edit	Copy	Delete	Noha	Mohamed	1600.00

Display each department id, name which managed by a manager with id equals 968574.

```
SELECT Dnum, Dname FROM Departments
WHERE MGRSSN = '968574';
```

Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

```
SELECT Fname, Lname, Salary FROM Employee WHERE Sex = 'F';
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

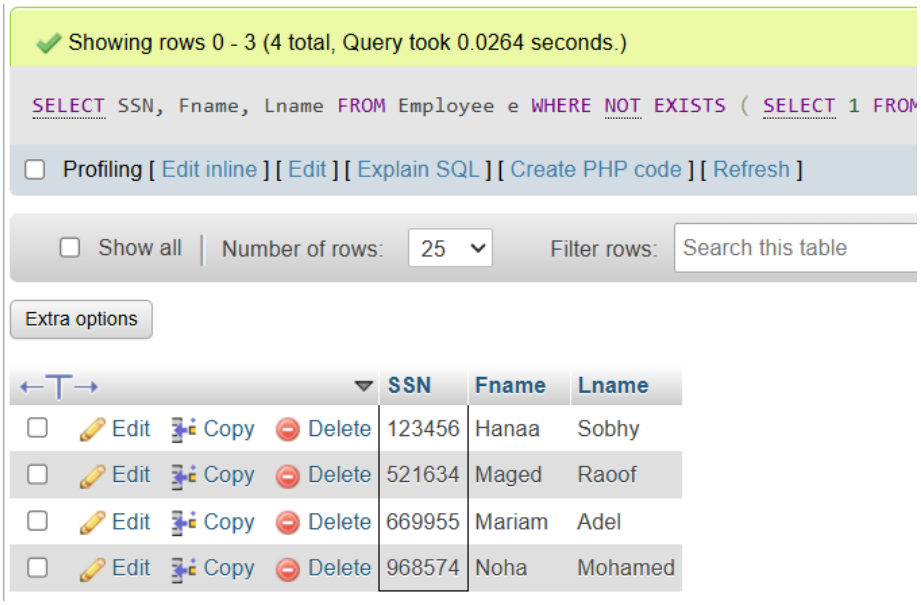
Show all | Number of rows: 25 Filter rows: Search this tal

Extra options

			Fname	Lname	Salary
Edit	Copy	Delete	Hanaa	Sobhy	800.00
Edit	Copy	Delete	Mariam	Adel	750.00
Edit	Copy	Delete	Noha	Mohamed	1600.00

Display the employee number and name who has no dependent on him/her (use exists).

```
SELECT SSN, Fname, Lname FROM Employee e WHERE NOT EXISTS (
    SELECT 1 FROM Dependent d WHERE d.ESSN = e.SSN
);
```



Insert your personal data to the employee table as a new employee in department number 30, SSN = 102672, Superssn = 112233.

```
INSERT INTO Employee (Fname, Lname, SSN, BDATE, Address, Sex, Salary, Superssn,
Dno) VALUES
('Menna', 'Abdelbaset', '102672', '2002-01-01', 'el sudanstreet', 'F', 2000,
'112233', 30);
```

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 manager number to him.

```
INSERT INTO Employee (Fname, Lname, SSN, BDATE, Address, Sex, Superssn, Dno)
VALUES('Amal', 'Said', '102660', '1990-02-02', '', 'F', NULL, 30);
```

1. 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'

a. First try to update her record in your database.

b. Update your record to be department 20 manage

```
INSERT INTO Departments (Dname, Dnum, MGRSSN, MGRStartDate)
VALUES ('DEPT IT', 100, '112233', '2006-11-01');
```

```
UPDATE Employee
SET Dno = 20
WHERE SSN = '112233';
```