

SQLQuery1.sql - DESKTOP-BLAC2BR.Company_3D (DESKTOP-BLAC2BR/fathi (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Object Explorer

Connect - DESKTOP-BLAC2BR (SQL Server 15.0.20)

Databases

Security

Server Objects

Replication

PolyBase

Always On High Availability

Management

Integration Services Catalogs

SQL Server Agent (Agent XPs disabled)

XEvent Profiler

SQLQuery1.sql - DESKTOP-BLAC2BR/fathi (80)

```
use Company_3D;

---1.Display all employee data.
SELECT * FROM employee;
```

100 %

Results Messages

	Frame	Lname	SSN	Bdate	Address	Sex	Salary	Superssn	Dno
1	Ahmed	Ali	112233	1965-01-01 00:00:00.000	15 Al Fahry St. Giza	M	1300	223344	NULL
2	Hanaa	Sobhy	123456	1973-03-10 00:00:00.000	30 Abdel Khaliq Tharwat St. Downtown Cairo	F	800	223344	NULL
3	Kamel	Mohamed	223344	1970-10-15 00:00:00.000	38 Mahy el den abo el Est. St. Cairo	M	1800	321654	10
4	Amy	Omar	321654	1963-09-14 00:00:00.000	44 Haggala Cairo	M	2500	NULL	NULL
5	Edward	Hanna	512463	1972-08-19 00:00:00.000	18 Abbas El Sakaa St. New City Cairo	M	1500	321654	30
6	Maged	Raouf	521634	1980-06-04 00:00:00.000	12 Khedra el Shobra Cairo	M	1000	968574	30
7	Mariam	Adel	668905	1982-12-06 00:00:00.000	33 El-Haram St. Giza	F	750	512463	20
8	Noha	Mohamed	968574	1975-01-02 00:00:00.000	55 Orabi St. El Mohandeseen Cairo	F	1600	321654	20

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR/fathi ... Company_3D 00:00:00 8 rows

The key combination (Ctrl-B, Ctrl-V) is not a command.

22°C Mostly cloudy

Ln 5 Col 1 Ch 1 INS

12:12 PM 12/22/2023

SQLQuery1.sql - DESKTOP-BLAC2BR.Company_3D (DESKTOP-BLAC2BR/fathi (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Object Explorer

Connect - DESKTOP-BLAC2BR (SQL Server 15.0.20)

Databases

Security

Server Objects

Replication

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Always On High Availability

Management

Integration Services Catalogs

SQL Server Agent (Agent XPs disabled)

XEvent Profiler

SQLQuery1.sql - DESKTOP-BLAC2BR/fathi (80)

```
use Company_3D;

---1.Display all employee data.
SELECT * FROM employee;

---2. Display employee first name, last name, salary, and department number.
SELECT frame, lname, salary, dno
FROM employee;
```

100 %

Results Messages

	Frame	Lname	salary	Dno
1	Ahmed	Ali	1300	NULL
2	Hanaa	Sobhy	800	NULL
3	Kamel	Mohamed	1800	10
4	Amy	Omar	2500	NULL
5	Edward	Hanna	1500	30
6	Maged	Raouf	1000	30
7	Mariam	Adel	750	20
8	Noha	Mohamed	1600	20

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR/fathi ... Company_3D 00:00:00 8 rows

Ready

22°C Mostly cloudy

Ln 8 Col 1 Ch 1 INS

12:17 PM 12/22/2023

SQLQuery1.sql - DESKTOP-BLAC2BR.Company_SD (DESKTOP-BLAC2BR/fathi (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+Q)

Company_SD

Object Explorer

Connect to: Company_SD

DESKTOP-BLAC2BR (SQL Server 15.0.2000.5)

Databases

Security

Server Objects

Replication

PolyBase

Always On High Availability

Management

Integration Services Catalogs

SQL Server Agent (Agent XPs disabled)

XEvent Profiler

SQLQuery1.sql - DESKTOP-BLAC2BR/fathi (80)

```

--use Company_SD;

---1.Display all employee data.
SELECT * FROM employee;

---2. Display employee first name, last name, salary, and department number.
SELECT fname, lname, salary, Dno
FROM employee;

---3. Display each employee's full name and their annual commission (18% of annual salary) as ANNUAL_COMM
SELECT CONCAT(fname, ' ', lname) AS full_name,
       (salary * 12 * 0.18) AS ANNUAL_COMM
FROM employee;

```

100 %

Results Messages

	full_name	ANNUAL_COMM
1	Ahmed Ali	1960.00
2	Hanna Sady	960.00
3	Kamel Mohamed	2160.00
4	Amr Omran	3000.00
5	Edward Hanna	1800.00
6	Maged Rasel	1200.00
7	Mazen Adel	900.00
8	Noha Mohamed	1920.00

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR/fathi ... Company_SD 00:00:00 8 rows

Ready

22°C Mostly cloudy

Search

Ln 12 Col 1 Ch 1

ENG 12:20 PM 12/22/2023

SQLQuery1.sql - DESKTOP-BLAC2BR.Company_SD (DESKTOP-BLAC2BR/fathi (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+Q)

Company_SD

Object Explorer

Connect to: Company_SD

DESKTOP-BLAC2BR (SQL Server 15.0.2000.5 - DESKTOP-BLAC2BR)

System Databases

Database Snapshots

ArifinDB

BankingSystem

collage

collageDB2

Company_SD

Database Diagrams

Tables

System Tables

File Tables

External Tables

Graph Tables

dbo.Departments

dbo.Employee

Columns

fname (nvarchar(50), null)

lname (nvarchar(50), null)

SSN (PK, int, not null)

Bdate (datetime, null)

Address (nvarchar(50), null)

Sex (nvarchar(50), null)

Salary (int, null)

Superson (FK, int, null)

Dno (FK, int, null)

Keys

Constraints

Triggers

Indexes

Statistics

dbo.Project

dbo.Works_for

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

companyDatabase

companyDB

Hotel

HotelDB

SQLQuery1.sql - DESKTOP-BLAC2BR/fathi (80)

```

--use Company_SD;

---1.Display all employee data.
SELECT * FROM employee;

---2. Display employee first name, last name, salary, and department number.
SELECT fname, lname, salary, Dno
FROM employee;

---3. Display each employee's full name and their annual commission (18% of annual salary) as ANNUAL_COMM.
SELECT CONCAT(fname, ' ', lname) AS full_name,
       (salary * 12 * 0.18) AS ANNUAL_COMM
FROM employee;

---4. Display employee ID and name for employees earning more than 1000 LE monthly.
SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary > 1000;

```

100 %

Results Messages

	SSN	name
1	112233	Ahmed Ali
2	223344	Kamel Mohamed
3	321654	Amr Omran
4	512463	Edward Hanna
5	96574	Noha Mohamed

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR/fathi ... Company_SD 00:00:00 5 rows

Ready

Tomorrow's low To be recorded

Search

Ln 17 Col 1 Ch 1

ENG 12:27 PM 12/22/2023

SQLQuery1.sql - DESKTOP-BLAC2BR.Company_SD (DESKTOP-BLAC2BR\fatih (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Company_SD

Object Explorer

Connect - Server Explorer

OP-BLAC2BR (SQL Server 15.0.2000.5 - DESKTOP-BLAC2BR)

System Databases

Database Snapshots

ArifinDB

BankingSystem

collage

collageDB2

Company_SD

Database Diagrams

Tables

System Tables

File Tables

External Tables

Graph Tables

dbo.Departments

dbo.Employee

dbo.Project

dbo.Works_for

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

companyDatabase

companyDB

Hotel

HotelDB

HotelDB2

LibraryManagementSystem

Query

Over Objects

Publication

lyBase

ways On High Availability

Management

egration Services Catalogs

IL Server Agent (Agent XPs disabled)

vent Profiler

SQLQuery1.sql - DE-BLAC2BR\fatih (80)

```

Use Company_SD;

---1.Display all employee data.
SELECT * FROM employee;

---2. Display employee first name, last name, salary, and department number.
SELECT fname, lname, salary, Dno
FROM employee;

---3. Display each employee's full name and their annual commission (10% of annual salary) as ANNUAL_COMP.
SELECT CONCAT(fname, ' ', lname) AS full_name,
(salary * 12 * 0.10) AS ANNUAL_COMP
FROM employee;

---4. Display employee ID and name for employees earning more than 1000 LE monthly.
SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary > 1000;

---5. Display employee ID and name for employees earning more than 10000 LE annually.
SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary * 12 > 10000;

```

100 %

Results Messages

SSN	name
112233	Ahmed Ali
223344	Kamel Mohamed
321654	Aur Osman
512463	Edward Hanna
521634	Maged Raouf
90574	Noha Mohamed

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih ... Company_SD 00:00:00 6 rows

Ready

24°C Partly sunny

Ln 22 Col 1 Ch 1 INS

12:29 PM 12/22/2023

SQLQuery1.sql - DESKTOP-BLAC2BR.Company_SD (DESKTOP-BLAC2BR\fatih (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Company_SD

Object Explorer

Connect - Server Explorer

OP-BLAC2BR (SQL Server 15.0.2000.5 - DESKTOP-BLAC2BR)

System Databases

Database Snapshots

ArifinDB

BankingSystem

collage

collageDB2

Company_SD

Database Diagrams

Tables

System Tables

File Tables

External Tables

Graph Tables

dbo.Departments

dbo.Employee

dbo.Project

dbo.Works_for

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

companyDatabase

companyDB

Hotel

HotelDB

SQLQuery1.sql - DE-BLAC2BR\fatih (80)

```

(salary * 12 * 0.10) AS ANNUAL_COMP
FROM employee;

---4. Display employee ID and name for employees earning more than 1000 LE monthly.
SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary > 1000;

---5. Display employee ID and name for employees earning more than 10000 LE annually.
SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary * 12 > 10000;

---6. Display names and salaries of all female employees.
SELECT CONCAT(fname, ' ', lname) AS name, salary
FROM employee
WHERE Sex = 'F';

```

100 %

Results Messages

name	salary
Hanaa Sobhy	800
Mariam Adel	750
Noha Mohamed	1600

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih ... Company_SD 00:00:00 3 rows

Ready

24°C Partly sunny

Ln 27 Col 1 Ch 1 INS

12:31 PM 12/22/2023

SQLQuery1.sql - DESKTOP-BLAC2BR.Company_SD (DESKTOP-BLAC2BR\faht) (800) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to Company_SD (SQL Server 15.0.2000.5 - DESKTOP-BLAC2BR)

Query: SQLQuery1.sql - DE-BLAC2BR\faht (800)

```

--4. Display employee ID and name for employees earning more than 1000 LE monthly.
SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary > 1000;

--5. Display employee ID and name for employees earning more than 10000 LE annually.
SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary * 12 > 10000;

--6. Display names and salaries of all female employees.
SELECT CONCAT(fname, ' ', lname) AS name, salary
FROM employee
WHERE Sex = 'F';

--7. Display employees whose salary is between 2000 and 5000.
SELECT
FROM employee
WHERE salary BETWEEN 2000 AND 5000;

```

Results: 1 row(s)

fname	lname	SSN	Bdate	Address	Sex	Salary	Superson	Dno
Amr	Oman	321654	1963-05-14 00:00:00.000	44 Hissops Caro	M	2500	NULL	NULL

Query executed successfully.

SQLQuery1.sql - DESKTOP-BLAC2BR.Company_SD (DESKTOP-BLAC2BR\faht) (800) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to Company_SD (SQL Server 15.0.2000.5 - DESKTOP-BLAC2BR)

Query: SQLQuery1.sql - DE-BLAC2BR\faht (800)

```

SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary > 10000;

--6. Display names and salaries of all female employees.
SELECT CONCAT(fname, ' ', lname) AS name, salary
FROM employee
WHERE Sex = 'F';

--7. Display employees whose salary is between 2000 and 5000.
SELECT
FROM employee
WHERE salary BETWEEN 2000 AND 5000;

--8. Display employee names ordered by salary descending.
SELECT CONCAT(fname, ' ', lname) AS name, salary
FROM employee
ORDER BY salary DESC;

```

Results: 8 row(s)

name	Salary
Amr Oman	2500
Kamel Mohamed	1800
Noha Mohamed	1600
Edward Hanna	1500
Amr Al	1300
Maged Rasol	1000
Hanaa Sobhy	800
Mariam Adel	750

Query executed successfully.

SQLQuery1.sql - DESKTOP-BLAC2B8.Company_3D (DESKTOP-BLAC2B8/fathi (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Company_3D

Object Explorer

- FileTables
- External Tables
- Graph Tables
- dbo.Departments
 - Columns
 - Dname (nvarchar(50), null)
 - Deptname (PK, int, not null)
 - MGRSSN (FK, int, null)
 - MGRStartDate (datetime, null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.Employee
 - Columns
 - SSN (PK, FK, int, not null)
 - Dependent_name (FK, marc)
 - Sex (nvarchar(255), null)
 - Bdate (datetime, null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.Project
 - Columns
 - Pname (nvarchar(50), null)
 - Pnumber (PK, int, not null)
 - Plocation (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics

SQLQuery1.sql - DE-BLAC2B8/fathi (80) *

```

SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary > 10000;

---6. Display names and salaries of all female employees.
SELECT CONCAT(fname, ' ', lname) AS name, salary
FROM employee
WHERE Sex = 'F';

---7. Display employees whose salary is between 2000 and 5000.
SELECT *
FROM employee
WHERE salary BETWEEN 2000 AND 5000;

---8. Display employee names ordered by salary descending.
SELECT CONCAT(fname, ' ', lname) AS name, Salary
FROM employee
ORDER BY salary DESC;

---9. Display the maximum, minimum, and average salary.
SELECT MAX(salary) AS max_salary,
MIN(salary) AS min_salary,
AVG(salary) AS avg_salary
FROM employee;

```

Results

	max_salary	min_salary	avg_salary
1	2500	750	1406

Query executed successfully.

DESKTOP-BLAC2B8 (15.0 RTM) DESKTOP-BLAC2B8/fathi ... Company_3D 00:00:00 1 rows

Ready 24°C Partly sunny

SQLQuery1.sql - DESKTOP-BLAC2B8.Company_3D (DESKTOP-BLAC2B8/fathi (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Company_3D

Object Explorer

- FileTables
- External Tables
- Graph Tables
- dbo.Departments
 - Columns
 - Dname (nvarchar(50), null)
 - Deptname (PK, int, not null)
 - MGRSSN (FK, int, null)
 - MGRStartDate (datetime, null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.Employee
 - Columns
 - SSN (PK, FK, int, not null)
 - Dependent_name (FK, marc)
 - Sex (nvarchar(255), null)
 - Bdate (datetime, null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.Project
 - Columns
 - Pname (nvarchar(50), null)
 - Pnumber (PK, int, not null)
 - Plocation (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics

SQLQuery1.sql - DE-BLAC2B8/fathi (80) *

```

---7. Display employees whose salary is between 2000 and 5000.
SELECT *
FROM employee
WHERE salary BETWEEN 2000 AND 5000;

---8. Display employee names ordered by salary descending.
SELECT CONCAT(fname, ' ', lname) AS name, Salary
FROM employee
ORDER BY salary DESC;

---9. Display the maximum, minimum, and average salary.
SELECT MAX(salary) AS max_salary,
MIN(salary) AS min_salary,
AVG(salary) AS avg_salary
FROM employee;

---10. Display the total number of employees.
SELECT COUNT(*) AS total_employees
FROM employee;

```

Results

	total_employees
1	8

Query executed successfully.

DESKTOP-BLAC2B8 (15.0 RTM) DESKTOP-BLAC2B8/fathi ... Company_3D 00:00:00 1 rows

Ready 24°C Partly sunny

SQLQuery1.sql - DESKTOP-BLAC2BR\Company_3D (DESKTOP-BLAC2BR\fatih (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Company_3D

Object Explorer

- FileTables
- External Tables
- Graph Tables
- dbo.Departments
 - Columns
 - Dname (nvarchar(50), null)
 - Deptname (PK, int, not null)
 - MGRSSN (FK, int, null)
 - MGRStartDate (datetime, null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.Employee
 - Columns
 - EmpID (PK, int, not null)
 - EmpName (nvarchar(50), null)
 - SSN (PK, int, not null)
 - Bdate (datetime, null)
 - Address (nvarchar(50), null)
 - Sex (nvarchar(50), null)
 - Salary (int, null)
 - Supervisor (FK, int, null)
 - Dno (FK, int, null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.Project
 - Columns
 - Pname (nvarchar(50), null)
 - Pnumber (PK, int, not null)
 - Plocation (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics

SQLQuery1.sql - DESKTOP-BLAC2BR\fatih (80)

```

--7. Display employees whose salary is between 2000 and 5000.
SELECT *
FROM employee
WHERE salary BETWEEN 2000 AND 5000;

--8. Display employee names ordered by salary descending.
SELECT CONCAT(fname, ' ', lname) AS name, Salary
FROM employee
ORDER BY salary DESC;

--9. Display the maximum, minimum, and average salary.
SELECT MAX(salary) AS max_salary,
MIN(salary) AS min_salary,
AVG(salary) AS avg_salary
FROM employee;

--10. Display the total number of employees.
SELECT COUNT(*) AS total_employees
FROM employee;

--11. Display employees whose first name starts with 'A'.
SELECT *
FROM employee
WHERE fname LIKE 'A%';

```

Results

	fname	lname	SSN	Bdate	Address	Sex	Salary	Supervisor	Dno
1	Ahmed	Ali	112233	1965-01-01 00:00:00.000	15 Ali Fahmy St Giza	M	1300	223344	NULL
2	Ahmed	Omar	321654	1963-09-14 00:00:00.000	44 Hekaya Caro	M	2500	NULL	NULL

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih ... Company_3D 00:00:00 2 rows

Ready

24°C Partly sunny

Search

Ln 52 Col 1 Ch 1 IN5

12:42 PM 12/22/2023

SQLQuery1.sql - DESKTOP-BLAC2BR\Company_3D (DESKTOP-BLAC2BR\fatih (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Company_3D

Object Explorer

- FileTables
- External Tables
- Graph Tables
- dbo.Departments
 - Columns
 - Dname (nvarchar(50), null)
 - Deptname (PK, int, not null)
 - MGRSSN (FK, int, null)
 - MGRStartDate (datetime, null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.Employee
 - Columns
 - EmpID (PK, int, not null)
 - EmpName (nvarchar(50), null)
 - SSN (PK, int, not null)
 - Bdate (datetime, null)
 - Address (nvarchar(50), null)
 - Sex (nvarchar(50), null)
 - Salary (int, null)
 - Supervisor (FK, int, null)
 - Dno (FK, int, null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.Project
 - Columns
 - Pname (nvarchar(50), null)
 - Pnumber (PK, int, not null)
 - Plocation (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics

SQLQuery1.sql - DESKTOP-BLAC2BR\fatih (80)

```

ORDER BY salary DESC;

--9. Display the maximum, minimum, and average salary.
SELECT MAX(salary) AS max_salary,
MIN(salary) AS min_salary,
AVG(salary) AS avg_salary
FROM employee;

--10. Display the total number of employees.
SELECT COUNT(*) AS total_employees
FROM employee;

--11. Display employees whose first name starts with 'A'.
SELECT *
FROM employee
WHERE fname LIKE 'A%';

--12. Display employees who have no supervisor.
SELECT *
FROM employee
WHERE Supervisor IS NULL;

```

Results

	fname	lname	SSN	Bdate	Address	Sex	Salary	Supervisor	Dno
1	Ahmed	Omar	321654	1963-09-14 00:00:00.000	44 Hekaya Caro	M	2500	NULL	NULL

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih ... Company_3D 00:00:00 1 rows

Ready

24°C Partly sunny

Search

Ln 57 Col 1 Ch 1 IN5

12:45 PM 12/22/2023

SQLQuery1.sql - DESKTOP-BLAC2BR\Company_SD (DESKTOP-BLAC2BR\Fathi (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Company_SD

Object Explorer

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.Departments

Columns

Dname (nvarchar(50), null)

Dnum (PK, int, not null)

MGRSSN (FK, int, null)

MGRStartDate (datetime, null)

Keys

FK_Departments

FK_Departments_Employee

Constraints

Triggers

Indexes

Statistics

dbo.Employee

Columns

Fname (nvarchar(50), null)

Lname (nvarchar(50), null)

SSN (PK, int, not null)

Bdate (datetime, null)

Address (nvarchar(255), null)

Sex (nvarchar(25), null)

Salary (int, null)

Superssn (FK, int, null)

Dno (FK, int, null)

Keys

Constraints

Triggers

Indexes

Statistics

SQLQuery1.sql - DE_BLAC2BR\Fathi (80)

```

FROM employee;

---10. Display the total number of employees.
SELECT COUNT(*) AS total_employees
FROM employee;

---11. Display employees whose first name starts with 'A'.
SELECT *
FROM employee
WHERE Fname LIKE 'A%';

---12. Display employees who have no supervisor.
SELECT *
FROM employee
WHERE Superssn is null;

---13. Display employees hired after 2020.
/*SELECT *
FROM Departments
WHERE Start Date > '2020-12-31'; */

---14. Insert your personal data into the employee table (Department = 30, SSN = 102672, Superssn = 112233, Salary = 3000).
INSERT INTO employee (Fname, Lname, dno, ssn, superssn, salary)
VALUES ('Fathiya', 'Alfahdi', 30, 102672, 112233, 3000);
SELECT * FROM employee

```

Results Messages

	Fname	Lname	SSN	Bdate	Address	Sex	Salary	Superssn	Dno
1	Fathiya	Alfahdi	102672	NULL	NULL	NULL	3000	112233	30
2	Ahmed	Ali	112233	1965-01-01 00:00:00.000	15 Al Fahry St Giza	M	1300	223344	NULL
3	Hanaa	Sobhy	123456	1975-03-10 00:00:00.000	30 Abdel Khalk Tharwat St. Downtown Cairo	F	800	223344	NULL
4	Kamel	Mohamed	223344	1970-10-15 00:00:00.000	30 Muhy el den abo el Ezr St Cairo	M	1000	321654	10
5	Anr	Orwan	321654	1963-09-14 00:00:00.000	44 Hippokle Caro	M	2500	NULL	NULL
6	Edward	Hanna	512463	1972-08-19 00:00:00.000	18 Abbas El Sakaad St. Near City Caro	M	1500	321654	30
7	Maged	Raof	521634	1980-06-04 00:00:00.000	18 Hekola el Shobra Caro	M	1000	968574	30
8	Mariam	Adel	608955	1982-12-06 00:00:00.000	209 El-Haram el Giza	F	750	512463	20
9	Noha	Mohamed	968574	1975-01-02 00:00:00.000	55 Orabi St. El Mohandeseen Cairo	F	1600	321654	20

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\Fathi ... Company_SD 00:00:00 9 rows

SQLQuery1.sql - DESKTOP-BLAC2BR\Company_SD (DESKTOP-BLAC2BR\Fathi (80)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Company_SD

Object Explorer

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.Departments

Columns

Dname (nvarchar(50), null)

Dnum (PK, int, not null)

MGRSSN (FK, int, null)

MGRStartDate (datetime, null)

Keys

FK_Departments

FK_Departments_Employee

Constraints

Triggers

Indexes

Statistics

dbo.Employee

Columns

Fname (nvarchar(50), null)

Lname (nvarchar(50), null)

SSN (PK, int, not null)

Bdate (datetime, null)

Address (nvarchar(255), null)

Sex (nvarchar(25), null)

Salary (int, null)

Superssn (FK, int, null)

Dno (FK, int, null)

Keys

Constraints

Triggers

Indexes

Statistics

SQLQuery1.sql - DE_BLAC2BR\Fathi (80)

```

---12. Display employees who have no supervisor.
SELECT *
FROM employee
WHERE Superssn is null;

---13. Display employees hired after 2020.
/*SELECT *
FROM Departments
WHERE Start Date > '2020-12-31'; */

---14. Insert your personal data into the employee table (Department = 30, SSN = 102672, Superssn = 112233, Salary = 3000).
INSERT INTO employee (Fname, Lname, dno, ssn, superssn, salary)
VALUES ('Fathiya', 'Alfahdi', 30, 102672, 112233, 3000);
SELECT * FROM employee

---15. Insert another employee (your friend) in department 30 with SSN = 102670, leaving salary and supervisor number NULL.
INSERT INTO employee (Fname, Lname, dno, ssn, superssn, salary)
VALUES ('Noura', 'AlMekari', 30, 102670, null, null);
SELECT * FROM employee

```

Results Messages

	Fname	Lname	SSN	Bdate	Address	Sex	Salary	Superssn	Dno
1	Noura	AlMekari	102650	NULL	NULL	NULL	3000	112233	30
2	Noura	AlMekari	102670	NULL	NULL	NULL	NULL	NULL	30
3	Fathiya	Alfahdi	102672	NULL	NULL	NULL	3000	112233	30
4	Ahmed	Ali	112233	1965-01-01 00:00:00.000	15 Al Fahry St Giza	M	1300	223344	NULL
5	Hanaa	Sobhy	123456	1975-03-10 00:00:00.000	30 Abdel Khalk Tharwat St. Downtown Cairo	F	800	223344	NULL
6	Kamel	Mohamed	223344	1970-10-15 00:00:00.000	30 Muhy el den abo el Ezr St Cairo	M	1000	321654	10
7	Anr	Orwan	321654	1963-09-14 00:00:00.000	44 Hippokle Caro	M	2500	NULL	NULL
8	Edward	Hanna	512463	1972-08-19 00:00:00.000	18 Abbas El Sakaad St. Near City Caro	M	1500	321654	30
9	Maged	Raof	521634	1980-06-04 00:00:00.000	18 Hekola el Shobra Caro	M	1000	968574	30
10	Mariam	Adel	608955	1982-12-06 00:00:00.000	209 El-Haram el Giza	F	750	512463	20
11	Noha	Mohamed	968574	1975-01-02 00:00:00.000	55 Orabi St. El Mohandeseen Cairo	F	1600	321654	20

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\Fathi ... Company_SD 00:00:00 11 rows

SQLQuery1.sql - DESKTOP-BLAC2BR\Company_SD (DESKTOP-BLAC2BR\fatih (80)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to Company_SD. Database Diagrams: dbo.Employee.

```

--12. Display employees who have no supervisor.
SELECT *
FROM Employee
WHERE Superssn is null;

--13. Display employees hired after 2020.
/*SELECT *
FROM Departments
WHERE Start Date > '2020-12-31'; */

--14. Insert your personal data into the employee table (Department = 30, SSN = 102672, Superssn = 112233, Salary = 3000).
INSERT INTO Employee (fname, lname, dno, ssn, superssn, salary)
VALUES ('Fatima', 'AlFahdi', 30, 102672, 112233, 3000);
SELECT * FROM Employee

--15. Insert another employee (your friend) in department 30 with SSN = 102670, leaving salary and supervisor number NULL.
INSERT INTO Employee (fname, lname, dno, ssn, superssn, salary)
VALUES ('Noura', 'AlMaskari', 30, 102670, null, null);
SELECT * FROM Employee

--16. Update your salary by 20%.
UPDATE Employee
SET salary = salary * 1.20
WHERE ssn = 102672;
SELECT * FROM Employee

```

Results: 11 rows

Frame	Lname	SSN	Bdate	Address	Sex	Salary	Superssn	Dno
1	Noura	AlMaskari	102660	NULL	NULL	3000	112233	30
2	Noura	AlMaskari	102670	NULL	NULL	NULL	NULL	30
3	Fatima	AlFahdi	102672	NULL	NULL	3000	112233	30
4	Ahmed	Ali	112233	1965-01-01 00:00:00.000	M	1300	223344	NULL
5	Hanana	Sobhy	123456	1975-03-10 00:00:00.000	F	800	223344	NULL
6	Kamel	Mohamed	223344	1970-10-15 00:00:00.000	M	1900	321654	10
7	Amr	Omran	321654	1963-09-14 00:00:00.000	M	2500	NULL	NULL
8	Edward	Hanna	512463	1972-08-19 00:00:00.000	M	1000	321654	30
9	Maged	Raouf	521634	1980-06-04 00:00:00.000	M	1000	968574	30
10	Mariam	Adel	603955	1982-12-06 00:00:00.000	F	750	512463	20
11	Noha	Mohamed	968574	1975-01-02 00:00:00.000	F	1600	321654	20

Query executed successfully.

SQLQuery1.sql - DESKTOP-BLAC2BR\Company_SD (DESKTOP-BLAC2BR\fatih (80)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to Company_SD. Database Diagrams: dbo.Employee.

```

--14. Insert your personal data into the employee table (Department = 30, SSN = 102672, Superssn = 112233, Salary = 3000).
INSERT INTO Employee (fname, lname, dno, ssn, superssn, salary)
VALUES ('Fatima', 'AlFahdi', 30, 102672, 112233, 3000);
SELECT * FROM Employee

--15. Insert another employee (your friend) in department 30 with SSN = 102670, leaving salary and supervisor number NULL.
INSERT INTO Employee (fname, lname, dno, ssn, superssn, salary)
VALUES ('Noura', 'AlMaskari', 30, 102670, null, null);
SELECT * FROM Employee

--16. Update your salary by 20%.
UPDATE Employee
SET salary = salary * 1.20
WHERE ssn = 102672;
SELECT * FROM Employee

--17. Increase salaries by 5% for all employees in department 30.
UPDATE Employee
SET salary = salary * 1.05
WHERE Dno = 30;
SELECT * FROM Employee

```

Results: 11 rows

Frame	Lname	SSN	Bdate	Address	Sex	Salary	Superssn	Dno
1	Noura	AlMaskari	102660	NULL	NULL	3150	112233	30
2	Noura	AlMaskari	102670	NULL	NULL	NULL	NULL	30
3	Fatima	AlFahdi	102672	NULL	NULL	3150	112233	30
4	Ahmed	Ali	112233	1965-01-01 00:00:00.000	M	1300	223344	NULL
5	Hanana	Sobhy	123456	1975-03-10 00:00:00.000	F	800	223344	NULL
6	Kamel	Mohamed	223344	1970-10-15 00:00:00.000	M	1900	321654	10
7	Amr	Omran	321654	1963-09-14 00:00:00.000	M	2500	NULL	NULL
8	Edward	Hanna	512463	1972-08-19 00:00:00.000	M	1050	321654	30
9	Maged	Raouf	521634	1980-06-04 00:00:00.000	M	1050	968574	30
10	Mariam	Adel	603955	1982-12-06 00:00:00.000	F	750	512463	20
11	Noha	Mohamed	968574	1975-01-02 00:00:00.000	F	1600	321654	20

Query executed successfully.

