

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\lathi (60)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Object Explorer

SQLQuery1.sql - DE-BLAC28R\lathi (60)\* -

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

Results Messages

	fname	lname	SSN	Bdate	Address	Sex	Salary	Supervisor	Dno
1	Ahmed	Ali	112233	1980-01-01 00:00:00.000	15 Al Fahmy, St. Giza	M	1300	223344	NULL
2	Hanaa	Sobhy	123456	1970-03-10 00:00:00.000	12 El Mina St. Al Sharq, St. Downtown Cairo	F	900	223344	NULL
3	Kamel	Mohamed	223344	1970-10-10 00:00:00.000	30 Mohy el Deen St. El Ezz St. Cairo	M	1000	NULL	10
4	Ana	Orvan	231654	1963-09-14 00:00:00.000	44 Misr City Cairo	M	2500	NULL	NULL
5	Edward	Hanna	512463	1972-09-10 00:00:00.000	18 Abaa El Sekak St. New Cairo	M	1500	321654	30
6	Maged	Raaf	521634	1980-06-04 00:00:00.000	18 Khale El Shabrawi St. Cairo	M	1000	968574	30
7	Mariam	Adel	668995	1982-12-06 00:00:00.000	269 El-Haraz st. Giza	F	750	512463	20
8	Noha	Mohamed	968574	1975-01-02 00:00:00.000	55 Orabi St. El Mohandseen Cairo	F	1600	321654	20

Query executed successfully.

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

22°C Mostly cloudy

Search

LN 5 Col 1 Ch 1 INS

DESKTOP-BLAC28R (15.0 RTM) DESKTOP-BLAC28R\lathi ... Company\_SD 00:00:00 8 rows

12:12 PM 12/22/2025

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\lathi (60)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Object Explorer

SQLQuery1.sql - DE-BLAC28R\lathi (60)\* -

```
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;
```

Results Messages

	fname	lname	salary	Dno
1	Ahmed	Ali	1300	NULL
2	Hanaa	Sobhy	800	NULL
3	Kamel	Mohamed	1000	10
4	Ana	Orvan	2500	NULL
5	Edward	Hanna	1500	30
6	Maged	Raaf	1000	30
7	Mariam	Adel	750	20
8	Noha	Mohamed	1600	20

Query executed successfully.

Ready

22°C Mostly cloudy

Search

LN 8 Col 1 Ch 1 INS

DESKTOP-BLAC28R (15.0 RTM) DESKTOP-BLAC28R\lathi ... Company\_SD 00:00:00 8 rows

12:17 PM 12/22/2025

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\Iath (60)) - Microsoft SQL Server Management Studio (Administrator)

```

Object Explorer
File Edit View Query Project Tools Window Help
[+] DESKTOP-BLAC28R (SQL Server 15.0.2000.5)
  [+] Databases
    [+] Company_SD
      [+] Scripts
      [+] Replication
      [+] PolyBase
      [+] Always On High Availability
      [+] Management
      [+] System Services Catalogs
      [+] SQL Server Agent (Agent XPs disabled)
      [+] XEvent Profiler

SQLQuery1.sql - DE-BLAC28R\Iath (60)* - x
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_COMM.
SELECT concat(fname, ' ', lname) AS full_name,
       salary * 12 * .10 AS ANNUAL_COMM
FROM employee;

```

Results

full_name	ANNUAL_COMM
Ahmed Ali	1560.00
Hanaa Hobby	960.00
Kamel Mohamed	1680.00
Ann Orman	3000.00
Edward Hanna	1800.00
Maged Raouf	1200.00
Manam Adel	900.00
Noha Mohamed	1920.00

Messages

Query executed successfully.

Ready 22°C Mostly cloudy

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\Iath (60)) - Microsoft SQL Server Management Studio (Administrator)

```

Object Explorer
File Edit View Query Project Tools Window Help
[+] DESKTOP-BLAC28R (SQL Server 15.0.2000.5 - DESM)
  [+] Databases
    [+] Company_SD
      [+] Tables
        [+] Employee
          [+] EmployeeID (PK, int, not null)
          [+] Fname (varchar(50), null)
          [+] Lname (varchar(50), null)
          [+] SSN (PK, int, not null)
          [+] Ddate (datetime, null)
          [+] Address (varchar(50), null)
          [+] City (varchar(50), null)
          [+] Salary (int, null)
          [+] Supervisor (FK, int, null)
          [+] Dno (FK, int, null)
          [+] Keys
          [+] Constraints
          [+] Triggers
          [+] Indexes
          [+] Statistics
        [+] dbo.Project
        [+] dbo.Works_for
      [+] Views
      [+] External Resources
      [+] System Functions
      [+] Programmability
      [+] Service Broker
      [+] Storage
      [+] Security
      [+] companyDatabase
      [+] companyDB
      [+] Hotel
      [+] HotelDB

SQLQuery1.sql - DE-BLAC28R\Iath (60)* - x
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_COMM.
SELECT concat(fname, ' ', lname) AS full_name,
       salary * 12 * .10 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;

```

Results

SSN	name
17223300	Ahmed Ali
223344	Kamel Mohamed
321654	Ann Orman
512463	Edward Hanna
565874	Noha Mohamed

Messages

Query executed successfully.

Ready Tomorrow's low To tie record

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fatih (60)) - Microsoft SQL Server Management Studio (Administrator)

```

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 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;

--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 > 10000;

```

100 %

Results Messages

SSN	name
11122333	Ahmed Ali
22233444	Karim Mohamed
33344554	Osama Omer
44455664	Edward Hanna
55566774	Maged Raaf
66677884	Noha Mohamed

Query executed successfully.

24°C Partly sunny

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fatih (60)) - Microsoft SQL Server Management Studio (Administrator)

```

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 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;

--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 > 10000;

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

```

100 %

Results Messages

name	salary
Hana Soddy	900
Ahmed Adel	750
Noha Mohamed	1600

Query executed successfully.

24°C Partly sunny

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fathi (60)) - Microsoft SQL Server Management Studio (Administrator)

```

--1. Display employee ID and name for employees earning more than 1000 LE monthly.
SELECT SSN, CONCAT(fname, ' ', lname) AS ANNUAL_COM
FROM employee
WHERE salary > 1000;

--2. Display employee ID and name for employees earning more than 10000 LE annually.
SELECT SSN, CONCAT(fname, ' ', lname) AS Name
FROM employee
WHERE salary > 10000;

--3. Display names and salaries of all female employees.
SELECT CONCAT(fname, ' ', lname) AS name, salary
FROM employee
WHERE Sex = 'F';

--4. Display employees whose salary is between 2000 and 5000.
SELECT *
FROM employee
WHERE salary BETWEEN 2000 AND 5000;

```

Results

Frame	Lname	SSN	Bdate	Address	Sex	Salary	Superssn	Oro
1	Amir	321654	1963-09-14 00:00:00.000	44 Hispolis Cairo	M	2500	NULL	NULL

Query executed successfully.

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fathi (60)) - Microsoft SQL Server Management Studio (Administrator)

```

--1. Display employee ID and name for employees earning more than 1000 LE monthly.
SELECT SSN, CONCAT(fname, ' ', lname) AS name
FROM employee
WHERE salary > 10000;

--2. Display names and salaries of all female employees.
SELECT CONCAT(fname, ' ', lname) AS name, salary
FROM employee
WHERE Sex = 'F';

--3. Display employees whose salary is between 2000 and 5000.
SELECT *
FROM employee
WHERE salary BETWEEN 2000 AND 5000;

--4. Display employee names ordered by salary descending.
SELECT CONCAT(fname, ' ', lname) AS name, salary
FROM employee
ORDER BY salary DESC;

```

Results

name	salary
Emir Osman	2500
Kamel Mohamed	1800
Neha Mohamed	1600
Edward Hanna	1500
Ahmed Ali	1300
Maged Rassaf	1000
Hanaa Sobhy	800
Marian Adel	750

Query executed successfully.

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fathi (60)) - Microsoft SQL Server Management Studio (Administrator)

```
--1. Display names and salaries of all female employees.  
SELECT CONCAT(firstname, ' ', lastname) AS name, salary  
FROM employee  
WHERE sex = 'F';  
  
--6. Display names and salaries of all female employees.  
SELECT CONCAT(firstname, ' ', lastname) 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(firstname, ' ', lastname) 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 Messages

	max_salary	min_salary	avg_salary
1	2500	750	1406

Query executed successfully.

DESKTOP-BLAC28R (15.0 RTM) DESKTOP-BLAC28R\fathi... Company\_SD 00:00:00 1 rows

Ready 24°C Partly sunny

Search

Ln 42 Col 1 Ch 1 INS

12:37 PM 12/22/2025

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fathi (60)) - Microsoft SQL Server Management Studio (Administrator)

```
--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(firstname, ' ', lastname) 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 Messages

	total_employees
1	8

Query executed successfully.

DESKTOP-BLAC28R (15.0 RTM) DESKTOP-BLAC28R\fathi... Company\_SD 00:00:00 1 rows

Ready 24°C Partly sunny

Search

Ln 48 Col 1 Ch 1 INS

12:40 PM 12/22/2025

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\athf (60)) - Microsoft SQL Server Management Studio (Administrator)

```

--1. 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%';

```

100 %

Results Messages

	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	Amer	Osman	321564	1963-09-14 00:00:00.000	44 Helipolis Cairo	M	2500	NULL	NULL

Query executed successfully.

DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\athf ... | Company\_SD | 00:00:00 | 2 rows

Ready 24°C Partly sunny

Search

Ln 52 Col 1 Ch 1 INS

12:42 PM 12/22/2025

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\athf (60)) - Microsoft SQL Server Management Studio (Administrator)

```

--1. 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%';

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

```

100 %

Results Messages

	Fname	Lname	SSN	Bdate	Address	Sex	Salary	Supervisor	Dno
1	Amer	Osman	321564	1963-09-14 00:00:00.000	44 Helipolis Cairo	M	2500	NULL	NULL

Query executed successfully.

DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\athf ... | Company\_SD | 00:00:00 | 1 rows

Ready 24°C Partly sunny

Search

Ln 57 Col 1 Ch 1 INS

12:45 PM 12/22/2025

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fathi (60)) - Microsoft SQL Server Management Studio (Administrator)

```

--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 'AN%';

--12. Display employees who have no supervisor.
SELECT *
FROM employee
WHERE Supervisor 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 = 182672,Superssn = 112233, Salary = 3000).
INSERT INTO employee (fname, lname, dno, ssn, superssn, salary)
VALUES ('Fathyia', 'Alrashed', 30, 182672, 112233, 3000);
SELECT * FROM employee

```

Results

Frame	lname	SSN	Bdate	Address	Sex	Salary	Supersn	Dno	
1	Fathyia	Alrashed	102573	NULL	NULL	3000	112233	30	
2	Ahmed	Ali	112233	1965-01-01 00:00:00.000	15 Al Fahmy St.Giza	M	1300	223344	NULL
3	Hana	Sobhy	123456	1973-03-18 00:00:00.000	38 Abdel Khalek Tharwat St. Downtown,Cairo	F	800	223344	NULL
4	Kamel	Mohamed	223344	1970-10-15 00:00:00.000	38 Mohy el din abo el Ezr St. Cairo	M	1800	321654	10
5	Amr	Omar	321654	1963-09-14 00:00:00.000	44 Hopsis Cairo	M	2500	NULL	NULL
6	Edward	Hanna	512463	1972-08-19 00:00:00.000	18 Abaa El Sakad St. Nair City Cairo	M	1500	321654	30
7	Maged	Raaf	521634	1980-06-04 00:00:00.000	18 Khodesh El Shobra Cairo	M	1000	968574	30
8	Maria	Adel	669955	1982-12-06 00:00:00.000	269 El-Haram st. Giza	F	750	512463	20
9	Noha	Mohamed	968574	1975-01-02 00:00:00.000	35 Orabi St. El Mahandiseen Cairo	F	1600	321654	20

Messages

Query executed successfully.

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fathi (60)) - Microsoft SQL Server Management Studio (Administrator)

```

--12. Display employees who have no supervisor.
SELECT *
FROM employee
WHERE Supervisor 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 = 182672,Superssn = 112233, Salary = 3000).
INSERT INTO employee (fname, lname, dno, ssn, superssn, salary)
VALUES ('Fathyia', 'Alrashed', 30, 182672, 112233, 3000);
SELECT * FROM employee

--15. Insert another employee (your friend) in department 30 with SSN = 182678, leaving salary and supervisor number NULL.
INSERT INTO employee (fname, lname, dno, ssn, superssn, salary)
VALUES ('Neous', 'AlMaskan', 30, 182678, null, null);
SELECT * FROM employee

```

Results

Frame	lname	SSN	Bdate	Address	Sex	Salary	Supersn	Dno	
1	Neous	AlMaskan	102560	NULL	NULL	3000	112233	30	
2	Neous	AlMaskan	102570	NULL	NULL	NULL	NULL	30	
3	Fathyia	Alrashed	102572	NULL	NULL	3000	112233	30	
4	Ahmed	Ali	112233	1965-01-01 00:00:00.000	15 Al Fahmy St.Giza	M	1300	223344	NULL
5	Hana	Sobhy	123456	1973-03-18 00:00:00.000	38 Abdel Khalek Tharwat St. Downtown,Cairo	F	800	223344	NULL
6	Kamel	Mohamed	223344	1970-10-15 00:00:00.000	38 Mohy el din abo el Ezr St. Cairo	M	1800	321654	10
7	Amr	Omar	321654	1963-09-14 00:00:00.000	44 Hopsis Cairo	M	2500	NULL	NULL
8	Edward	Hanna	512463	1972-08-19 00:00:00.000	18 Abaa El Sakad St. Nair City Cairo	M	1500	968574	30
9	Maged	Raaf	521634	1980-06-04 00:00:00.000	18 Khodesh El Shobra Cairo	M	1000	968574	30
10	Maria	Adel	669955	1982-12-06 00:00:00.000	269 El-Haram st. Giza	F	750	512463	20
11	Noha	Mohamed	968574	1975-01-02 00:00:00.000	35 Orabi St. El Mahandiseen Cairo	F	1600	321654	20

Messages

Query executed successfully.

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fathi (60)) - Microsoft SQL Server Management Studio (Administrator)

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

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

--14. Insert your personal info into the employee table (Department = 30, SSN = 102672,Supervisor = 112233, Salary = 3000).
INSERT INTO employee (fname, lname, dno, ssn, supervisor, salary)
VALUES ('Fathyia', '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, supervisor, salary)
VALUES ('Houria', '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

Frame	lname	SSN	Bdate	Address	Sex	Salary	Supervisor	Dno
1	Noura AlMaskari	102660	NULL	NULL	NULL	3000	112233	30
2	Noura AlMaskari	102670	NULL	NULL	NULL	NULL	NULL	30
3	Fathyia AlFahdi	102672	NULL	NULL	NULL	3000	112233	30
4	Ahmed Ali	112233	1965-01-01 00:00:00.000	15 Al Fahmy St. Giza	M	1300	223344	NULL
5	Hanasa Sobhy	123456	1973-03-10 00:00:00.000	38 Abdel Khalek Tharwat St. Downtown,Cairo	F	800	223344	NULL
6	Kamel Mohamed	223344	1970-10-15 00:00:00.000	38 Mohy el din also el Ezr St.Cairo	M	1800	321654	10
7	Air Omran	513463	1972-09-10 00:00:00.000	19 Abu El Sehaad St. Nasr City Cairo	M	2500	NULL	NULL
8	Edward Hera	513463	1972-09-10 00:00:00.000	19 Abu El Sehaad St. Nasr City Cairo	M	1800	321654	30
9	Maged Raad	521634	1980-06-04 00:00:00.000	18 Khodra El Shobra Cairo	M	1000	968574	30
10	Marian Adel	669955	1982-12-06 00:00:00.000	269 El-Haram st. Giza	F	750	512463	20
11	Noha Mohamed	968574	1975-01-02 00:00:00.000	55 Oraibi St. El Mohandseen, Cairo	F	1600	321654	20

Query executed successfully.

SQLQuery1.sql - DESKTOP-BLAC28R\Company\_SD (DESKTOP-BLAC28R\fathi (60)) - Microsoft SQL Server Management Studio (Administrator)

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

--14. Insert your personal info into the employee table (Department = 30, SSN = 102672,Supervisor = 112233, Salary = 3000).
INSERT INTO employee (fname, lname, dno, ssn, supervisor, salary)
VALUES ('Fathyia', '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, supervisor, salary)
VALUES ('Houria', '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

Frame	lname	SSN	Bdate	Address	Sex	Salary	Supervisor	Dno
1	Noura AlMaskari	102660	NULL	NULL	NULL	3150	112233	30
2	Noura AlMaskari	102670	NULL	NULL	NULL	NULL	NULL	30
3	Fathyia AlFahdi	102672	NULL	NULL	NULL	3780	112233	30
4	Ahmed Ali	112233	1965-01-01 00:00:00.000	15 Al Fahmy St.Giza	M	1300	223344	NULL
5	Hanasa Sobhy	123456	1973-03-10 00:00:00.000	38 Abdel Khalek Tharwat St. Downtown,Cairo	F	800	223344	NULL
6	Kamel Mohamed	223344	1970-10-15 00:00:00.000	38 Mohy el din also el Ezr St.Cairo	M	1800	321654	10
7	Air Omran	513463	1972-09-10 00:00:00.000	44 Hisham Cairo	M	2500	NULL	NULL
8	Edward Hera	513463	1972-09-10 00:00:00.000	18 Abu El Sehaad St. Nasr City Cairo	M	1875	321654	30
9	Maged Raad	521634	1980-06-04 00:00:00.000	18 Khodra El Shobra Cairo	M	1050	968574	30
10	Marian Adel	669955	1982-12-06 00:00:00.000	269 El-Haram st. Giza	F	750	512463	20
11	Noha Mohamed	968574	1975-01-02 00:00:00.000	55 Oraibi St. El Mohandseen, Cairo	F	1600	321654	20

Query executed successfully.

SQLQuery1.sql - DESKTOP-BLAC2BR.Company\_SD (DESKTOP-BLAC2BR\fatih (60)) - Microsoft SQL Server Management Studio (Administrator)

```

VALUES ('Nour', 'AlMaskar', 38, 102670, null, null);
--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 Depto = 30;
SELECT * FROM employee;

--18. Set commission to NULL for employees earning less than 2000.
UPDATE employee
SET commission = NULL
WHERE salary < 2000;
SELECT * FROM employee;

--19. Delete employees with NULL salary.
DELETE FROM employee
WHERE salary IS NULL;
SELECT * FROM employee;

```

Results

Frame	Uname	SSN	Bdate	Address	Sex	Salary	Supmen	Dno
1	Noura AlMaskar	102660	NULL	NULL	NULL	3150	112233	30
2	Fatima AlAfahid	102672	NULL	NULL	NULL	3700	112233	30
3	Ahmed Ali	112233	1965-01-01 00:00:00.000	15 Al Fahmy St.Giza	M	1300	223344	NULL
4	Hanaa Sobhy	123456	1973-03-15 00:00:00.000	38 Abdel Khalek Tharwat St. Downton,Cairo	F	800	223344	NULL
5	Kamel Mohamed	223344	1970-10-15 00:00:00.000	38 Mohy el den also el Ezz St.Cairo	M	1800	321654	10
6	Anir Osman	321654	1963-09-14 00:00:00.000	44 Hippola,Cairo	M	2500	NULL	NULL
7	Edward Hanna	512453	1972-05-01 00:00:00.000	18 Asas El Sakad St. Nasr City Cairo	M	1575	321654	30
8	Maged Raaf	521634	1980-06-04 00:00:00.000	29 El-Sherouf st.Mohamed Cairo	M	1050	908574	30
9	Maria Adel	688995	1982-12-05 00:00:00.000	29 El-Husseini st. Giza	F	750	512483	20
10	Neha Mohamed	96374	1979-01-02 00:00:00.000	55 Okti St. El Manzilien,Cairo	F	1600	321654	20

Query executed successfully.

company\_SD DM&DQL.sql - DESKTOP-BLAC2BR.Company\_SD (DESKTOP-BLAC2BR\fatih (66)) - Microsoft SQL Server Management Studio (Administrator)

```

USE company_SD;
GO
--9. Display employee names ordered by salary descending.
SELECT CONCAT(Frame, ' ', 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%';

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

--13. Display employees hired after 2020.
SELECT *
FROM employees
WHERE [HireDate] > '2020-12-31';

```

Results

Frame	lname	SSN	MGRSSN	MGRStart Date
1	Noura	102660	NULL	2018-07-01
2	Fatima	102672	NULL	2018-07-01
3	Ahmed	112233	NULL	2018-07-01
4	Hanaa	123456	NULL	2018-07-01
5	Kamel	223344	NULL	2018-07-01
6	Anir	321654	NULL	2018-07-01
7	Edward	512453	NULL	2018-07-01
8	Maged	521634	NULL	2018-07-01
9	Maria	688995	NULL	2018-07-01
10	Neha	96374	NULL	2018-07-01

Query executed successfully.