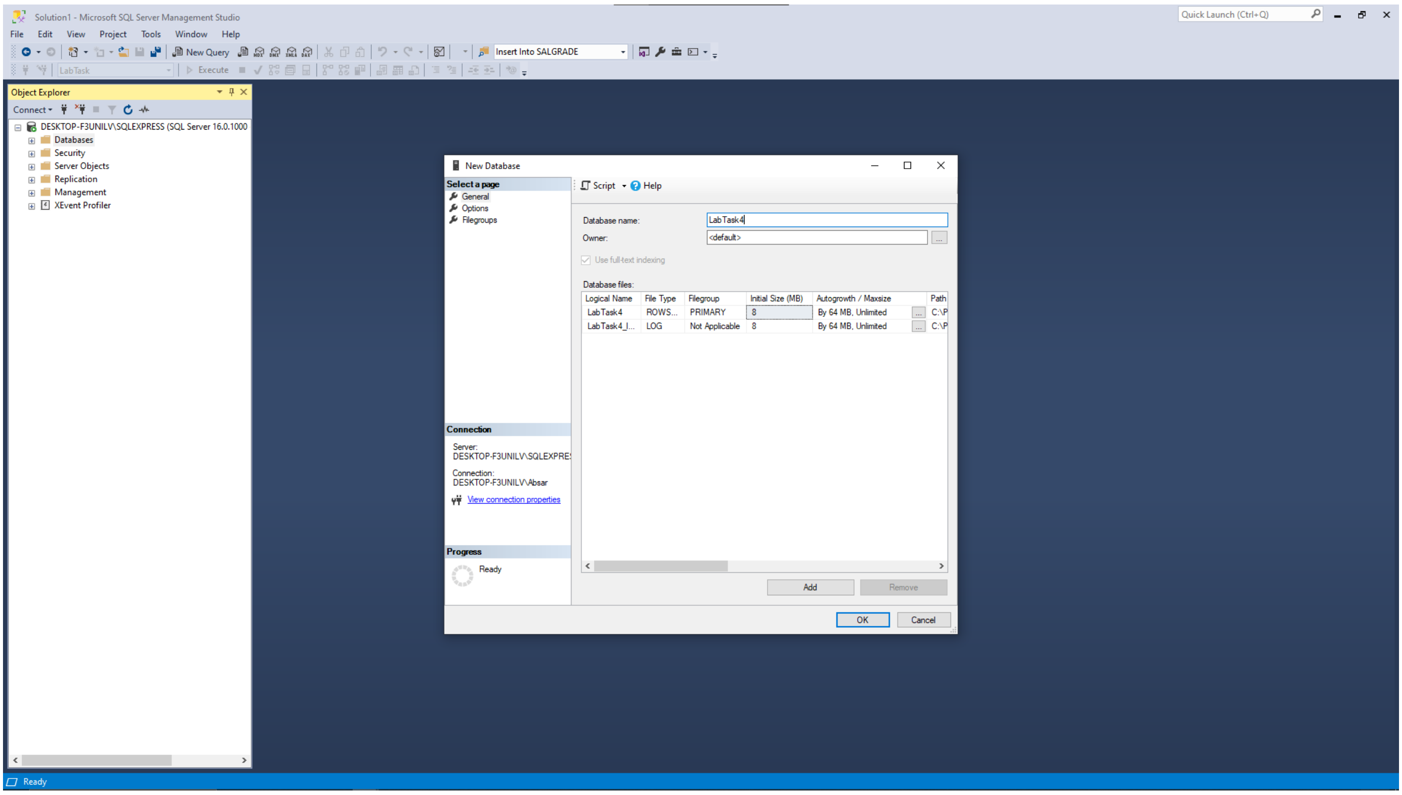
Lab 4 – Exercise SQL-2

Creating Database



New Database

Select a page: General, Options, Filegroups

Database name: LabTask4

Owner: <default>

☑ Use full-text indexing

Database files:

Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth / Maxsize	Path
LabTask4	ROWS...	PRIMARY	8	By 64 MB, Unlimited	C:\P
LabTask4_l...	LOG	Not Applicable	8	By 64 MB, Unlimited	C:\P

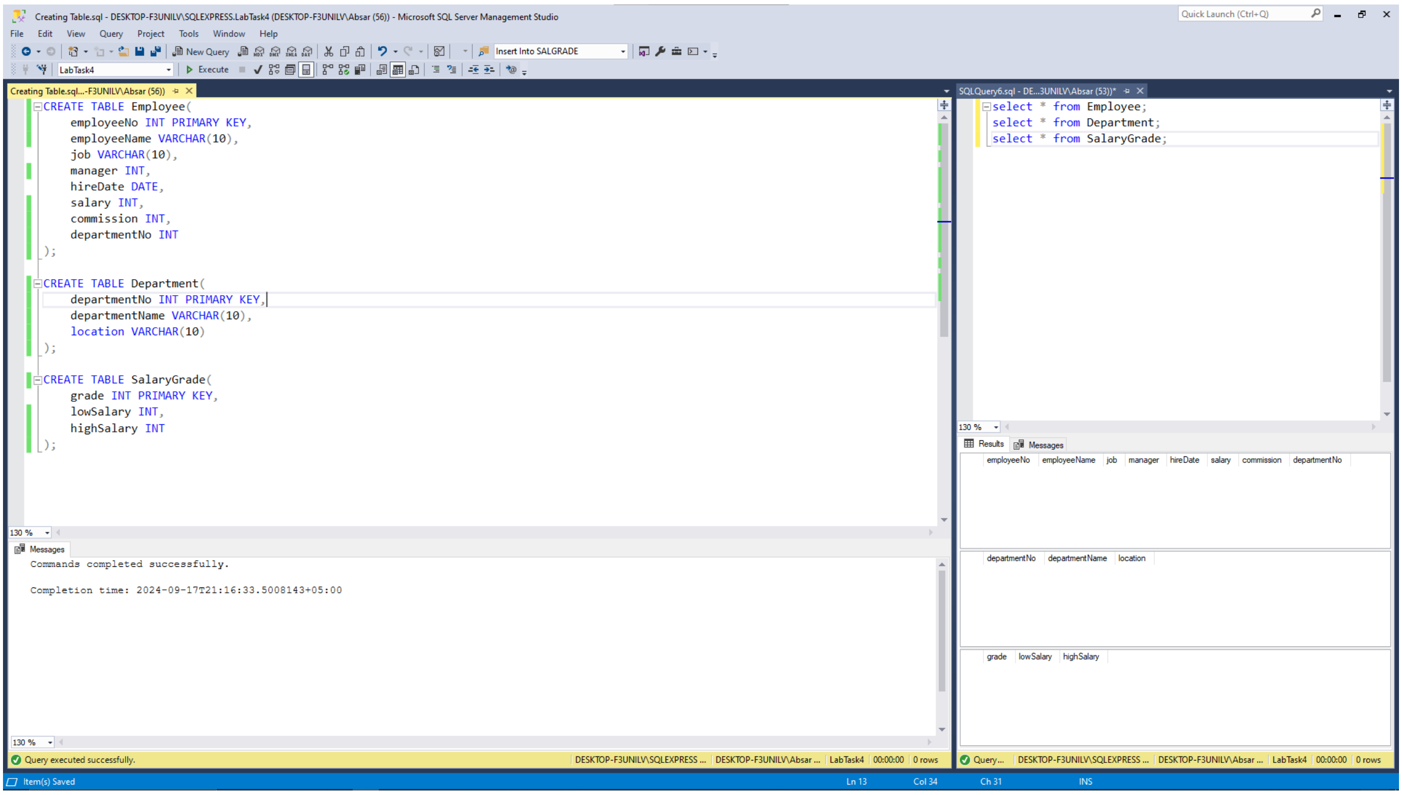
Connection

Server: DESKTOP-F3UNILV\SQLEXPRES

Connection: DESKTOP-F3UNILV\Absar

Progress: Ready

Creating Tables



Creating Table.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (56)) - Microsoft SQL Server Management Studio

```sql
CREATE TABLE Employee(
    employeeNo INT PRIMARY KEY,
    employeeName VARCHAR(10),
    job VARCHAR(10),
    manager INT,
    hireDate DATE,
    salary INT,
    commission INT,
    departmentNo INT
);

CREATE TABLE Department(
    departmentNo INT PRIMARY KEY,
    departmentName VARCHAR(10),
    location VARCHAR(10)
);

CREATE TABLE SalaryGrade(
    grade INT PRIMARY KEY,
    lowSalary INT,
    highSalary INT
);
```

Messages

```
Commands completed successfully.

Completion time: 2024-09-17T21:16:33.5008143+05:00
```

Query executed successfully.

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```sql
select * from Employee;
select * from Department;
select * from SalaryGrade;
```

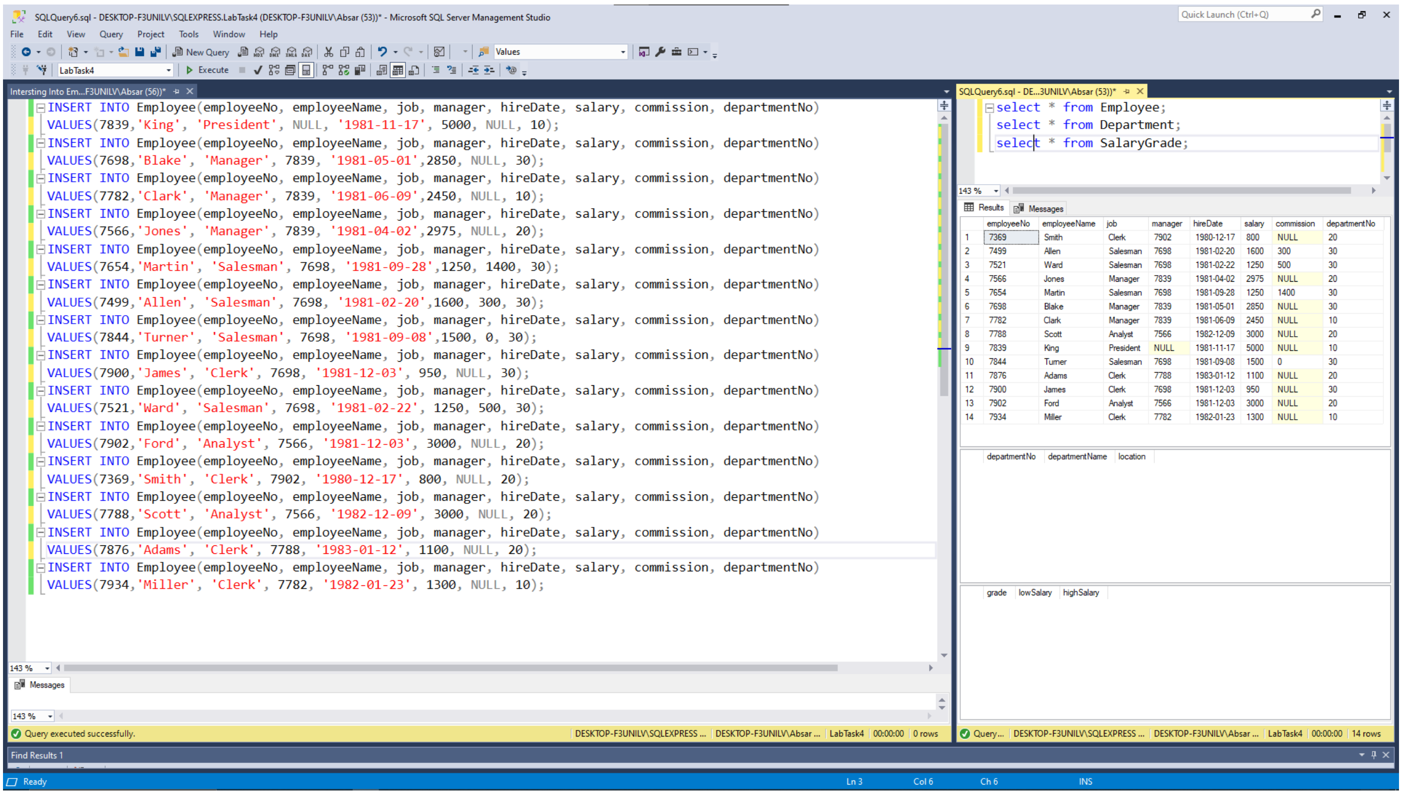
Results

```
employeeNo  employeeName  job  manager  hireDate  salary  commission  departmentNo
```

```
departmentNo  departmentName  location
```

```
grade  lowSalary  highSalary
```

Inserting Into Employee



SQLQuery6.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (53))* - Microsoft SQL Server Management Studio

Intersting Into Em...F3UNILV\Absar (56))*

```sql
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7839,'King', 'President', NULL, '1981-11-17', 5000, NULL, 10);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7698,'Blake', 'Manager', 7839, '1981-05-01',2850, NULL, 30);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7782,'Clark', 'Manager', 7839, '1981-06-09',2450, NULL, 10);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7566,'Jones', 'Manager', 7839, '1981-04-02',2975, NULL, 20);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7654,'Martin', 'Salesman', 7698, '1981-09-28',1250, 1400, 30);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7499,'Allen', 'Salesman', 7698, '1981-02-20',1600, 300, 30);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7844,'Turner', 'Salesman', 7698, '1981-09-08',1500, 0, 30);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7900,'James', 'Clerk', 7698, '1981-12-03', 950, NULL, 30);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7521,'Ward', 'Salesman', 7698, '1981-02-22', 1250, 500, 30);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7902,'Ford', 'Analyst', 7566, '1981-12-03', 3000, NULL, 20);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7369,'Smith', 'Clerk', 7902, '1980-12-17', 800, NULL, 20);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7788,'Scott', 'Analyst', 7566, '1982-12-09', 3000, NULL, 20);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7876,'Adams', 'Clerk', 7788, '1983-01-12', 1100, NULL, 20);
INSERT INTO Employee(employeeNo, employeeName, job, manager, hireDate, salary, commission, departmentNo)
VALUES(7934,'Miller', 'Clerk', 7782, '1982-01-23', 1300, NULL, 10);
```

Query executed successfully. | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 0 rows

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```sql
select * from Employee;
select * from Department;
select * from SalaryGrade;
```

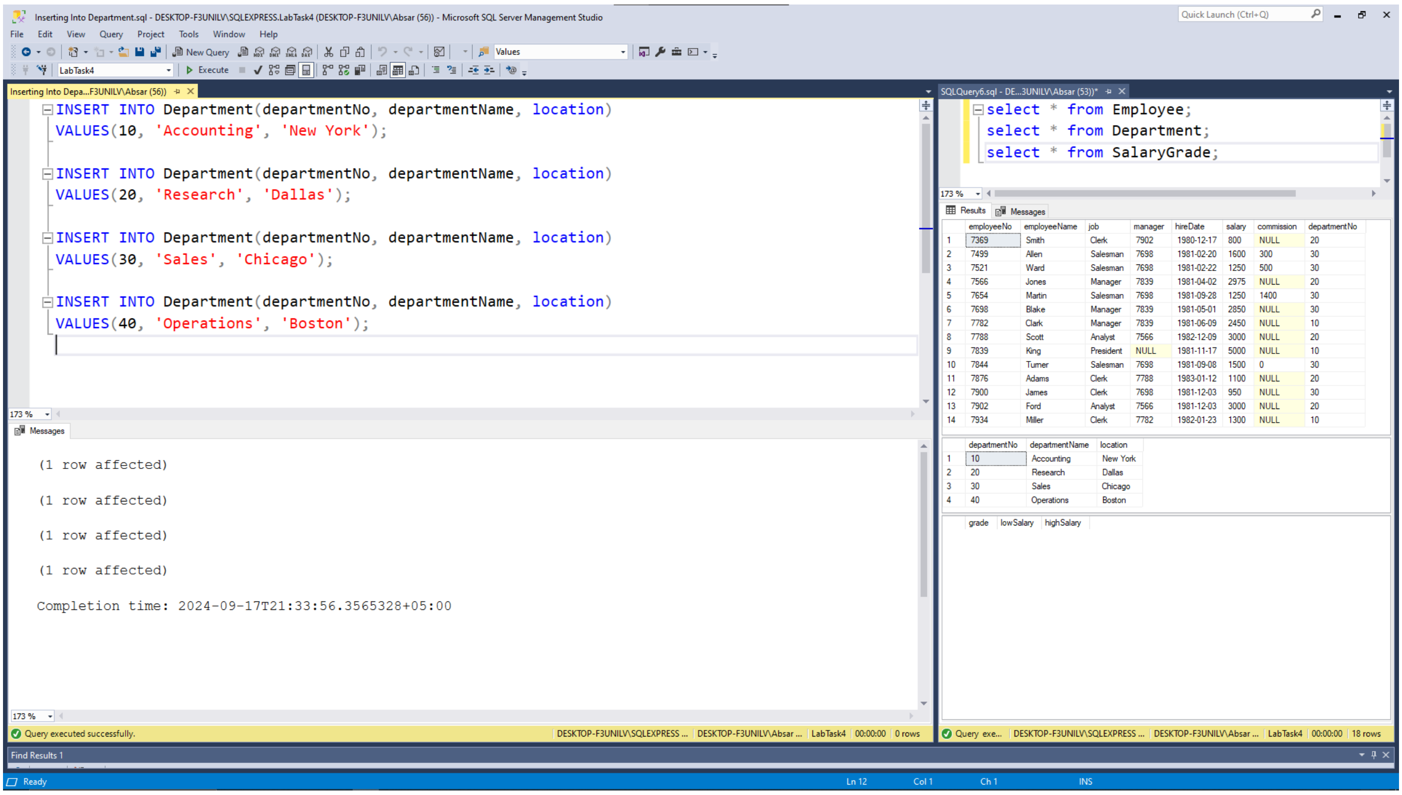
	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location

	grade	lowSalary	highSalary

Query... | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 14 rows

Inserting Into Department



Inserting Into Department.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (56)) - Microsoft SQL Server Management Studio

Inserting Into Depa...F3UNILV\Absar (56))

```sql
INSERT INTO Department(departmentNo, departmentName, location)
VALUES(10, 'Accounting', 'New York');

INSERT INTO Department(departmentNo, departmentName, location)
VALUES(20, 'Research', 'Dallas');

INSERT INTO Department(departmentNo, departmentName, location)
VALUES(30, 'Sales', 'Chicago');

INSERT INTO Department(departmentNo, departmentName, location)
VALUES(40, 'Operations', 'Boston');
```

Messages

```
(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

Completion time: 2024-09-17T21:33:56.3565328+05:00
```

Query executed successfully. | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 0 rows

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```sql
select * from Employee;
select * from Department;
select * from SalaryGrade;
```

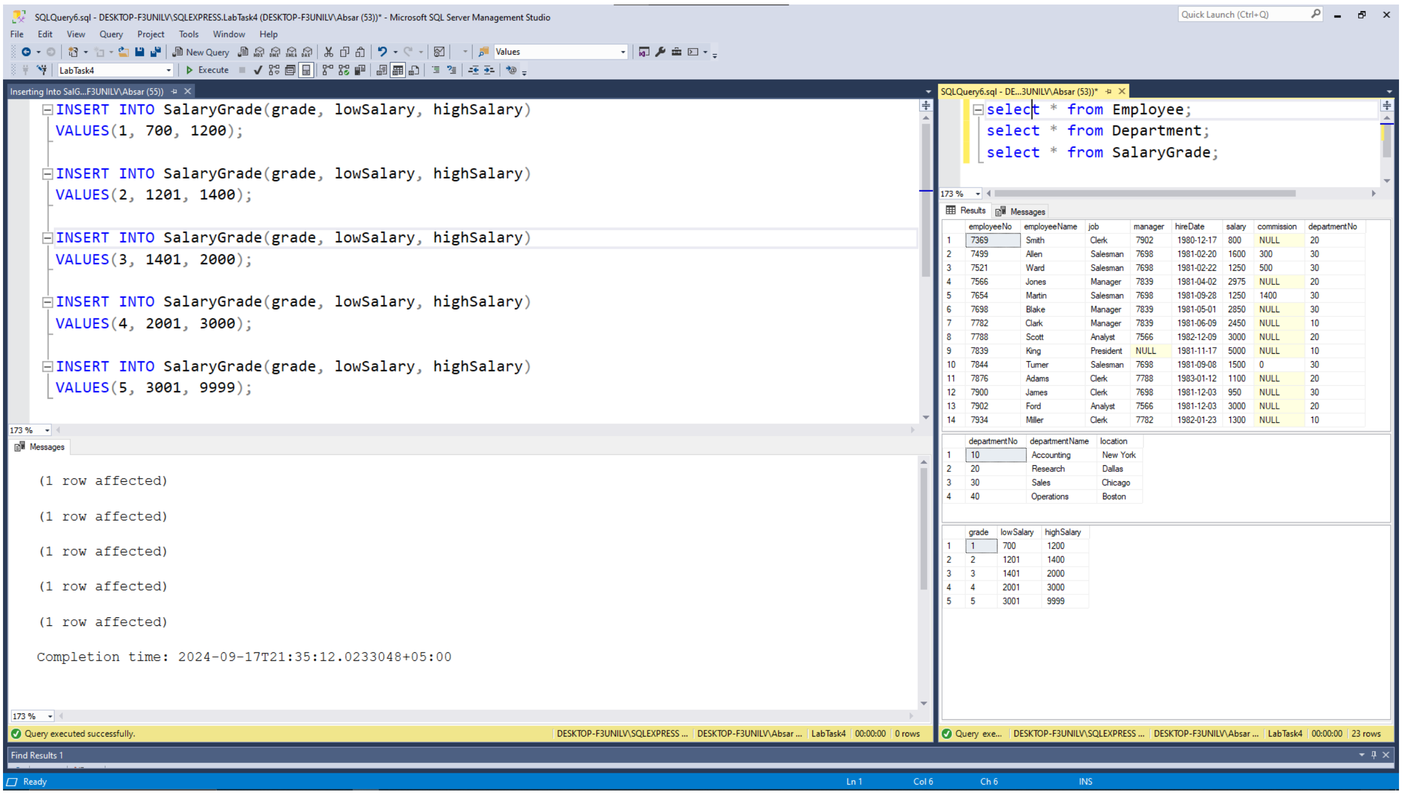
	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary

Query exe... | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 18 rows

Inserting Into SalaryGrade



SQLQuery6.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (53))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help
New Query
Values
LabTask4
Execute
Inserting Into SalG...F3UNILV\Absar (55))
SQLQuery6.sql - DE...3UNILV\Absar (53))*
173 %
Messages
Results

```sql
INSERT INTO SalaryGrade(grade, lowSalary, highSalary)
VALUES(1, 700, 1200);

INSERT INTO SalaryGrade(grade, lowSalary, highSalary)
VALUES(2, 1201, 1400);

INSERT INTO SalaryGrade(grade, lowSalary, highSalary)
VALUES(3, 1401, 2000);

INSERT INTO SalaryGrade(grade, lowSalary, highSalary)
VALUES(4, 2001, 3000);

INSERT INTO SalaryGrade(grade, lowSalary, highSalary)
VALUES(5, 3001, 9999);
```

```
(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

Completion time: 2024-09-17T21:35:12.0233048+05:00
```

Query executed successfully. | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 0 rows

```sql
select * from Employee;
select * from Department;
select * from SalaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

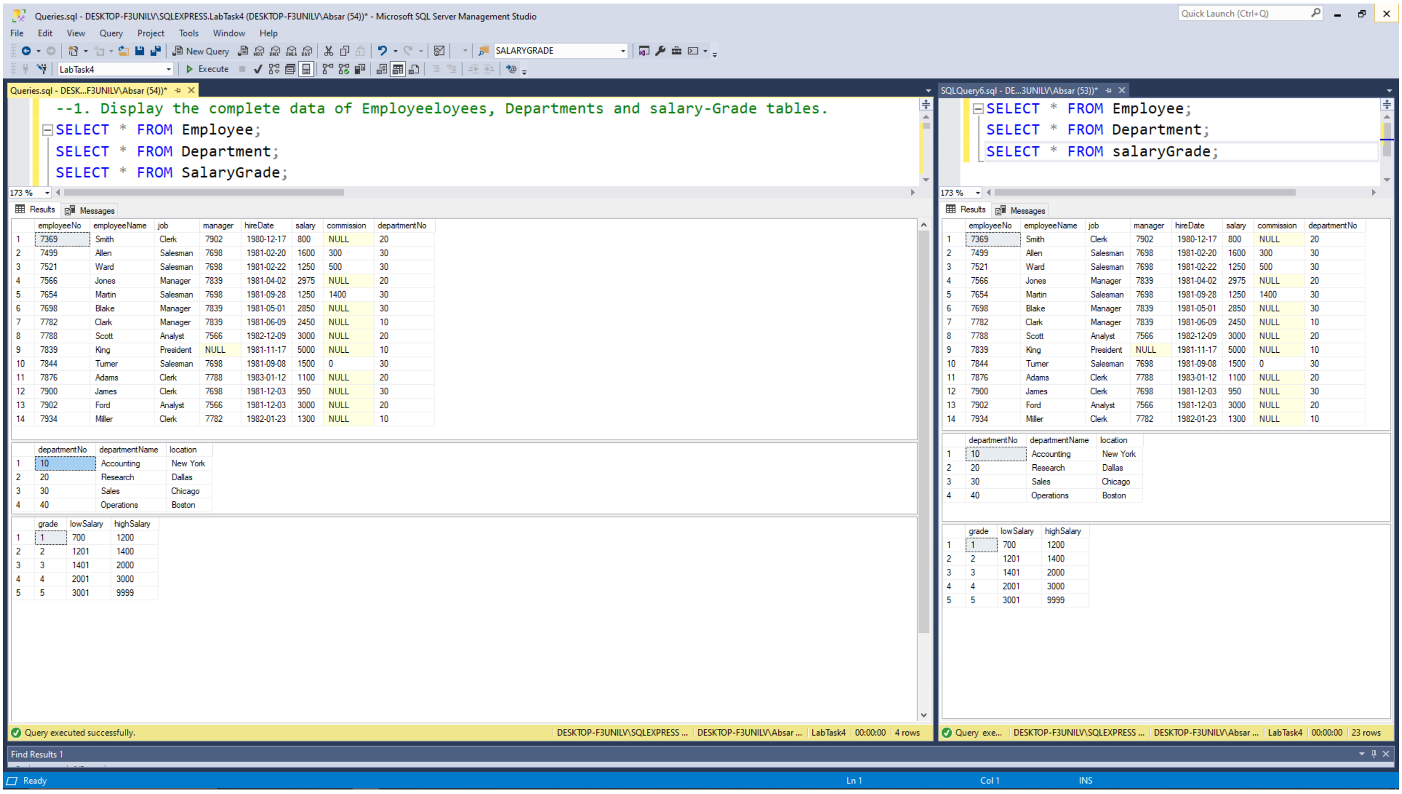
	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query exe... | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 23 rows

Queries

1. Display the complete data of Employee, Departments and salary-Grade tables.



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
SALARYGRADE
LabTask4
Execute
Quick Launch (Ctrl+Q)
Queries.sql - DESK...F3UNILV\Absar (54))*
173 %
Results
Messages

```sql
--1. Display the complete data of Employeeloyees, Departments and salary-Grade tables.
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM SalaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query executed successfully. | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 4 rows

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

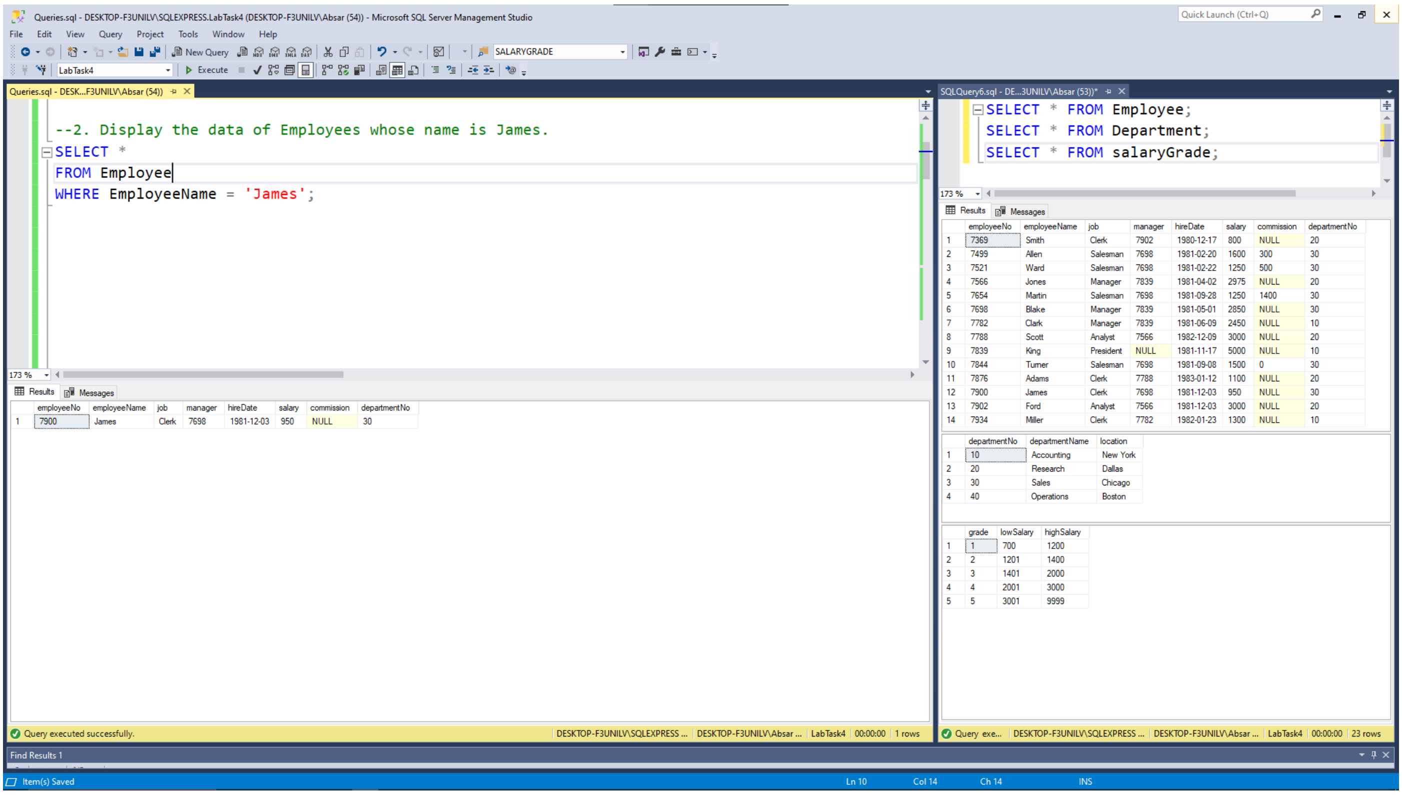
	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query exe... | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 23 rows

2. Display the data of Employees whose name is James.



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
SALARYGRADE
LabTask4
Execute
Quick Launch (Ctrl+Q)
Queries.sql - DESK...F3UNILV\Absar (54))
173 %
Results
Messages

```sql
--2. Display the data of Employees whose name is James.
SELECT *
FROM Employee
WHERE EmployeeName = 'James';
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7900	James	Clerk	7698	1981-12-03	950	NULL	30

Query executed successfully. | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 1 rows

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

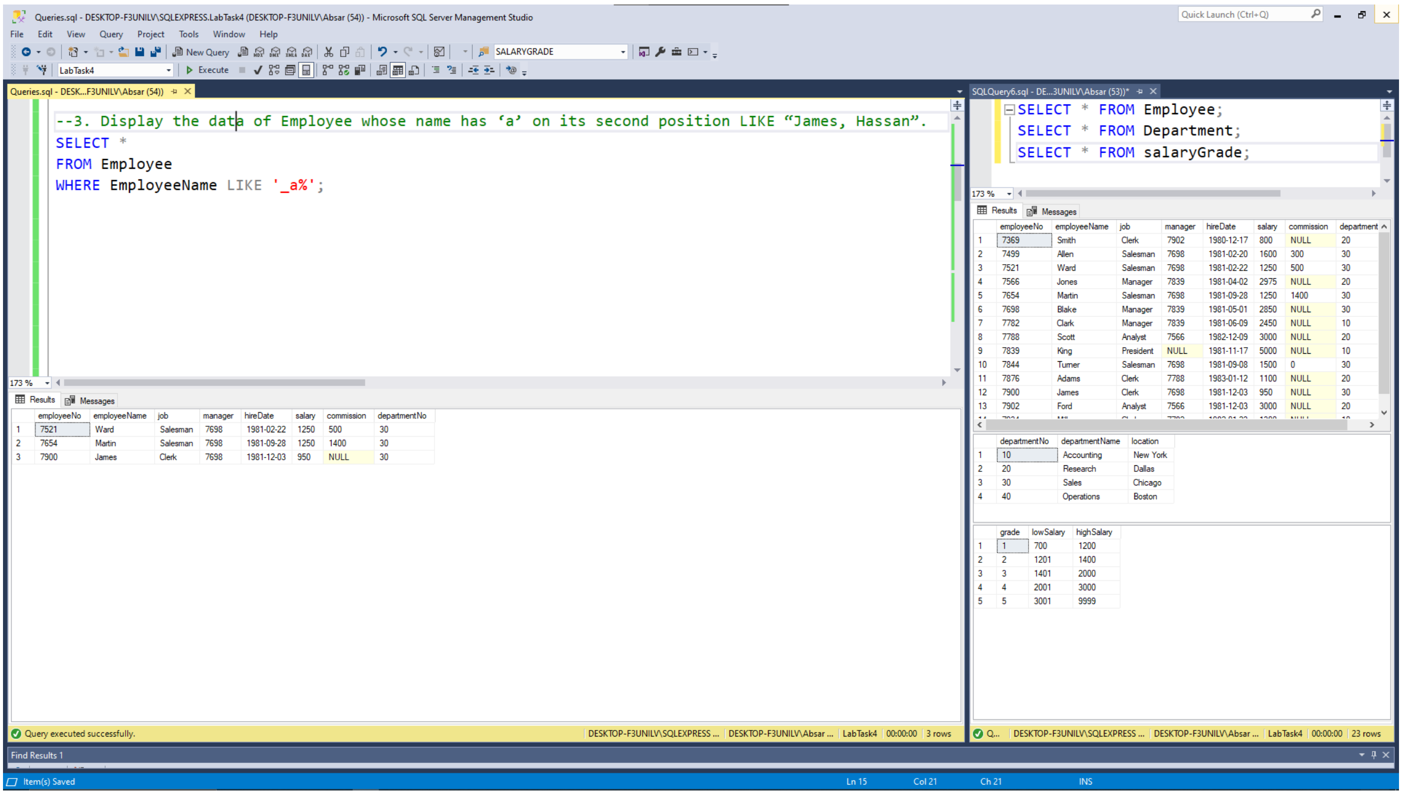
	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query exe... | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 23 rows

3. Display the data of Employees whose name has ‘a’ on its second position like “James, Hassan”.


Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
SALARYGRADE
LabTask4
Execute
Quick Launch (Ctrl+Q)
Queries.sql - DESK...F3UNILV\Absar (54))
SQLQuery6.sql - DE...3UNILV\Absar (53))*
173 %
Results
Messages
Find Results 1
Item(s) Saved
Ln 15
Col 21
Ch 21
INS

```
--3. Display the data of Employee whose name has ‘a’ on its second position LIKE “James, Hassan”.
SELECT *
FROM Employee
WHERE EmployeeName LIKE '_a%';
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
2	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
3	7900	James	Clerk	7698	1981-12-03	950	NULL	30

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 3 rows

```
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

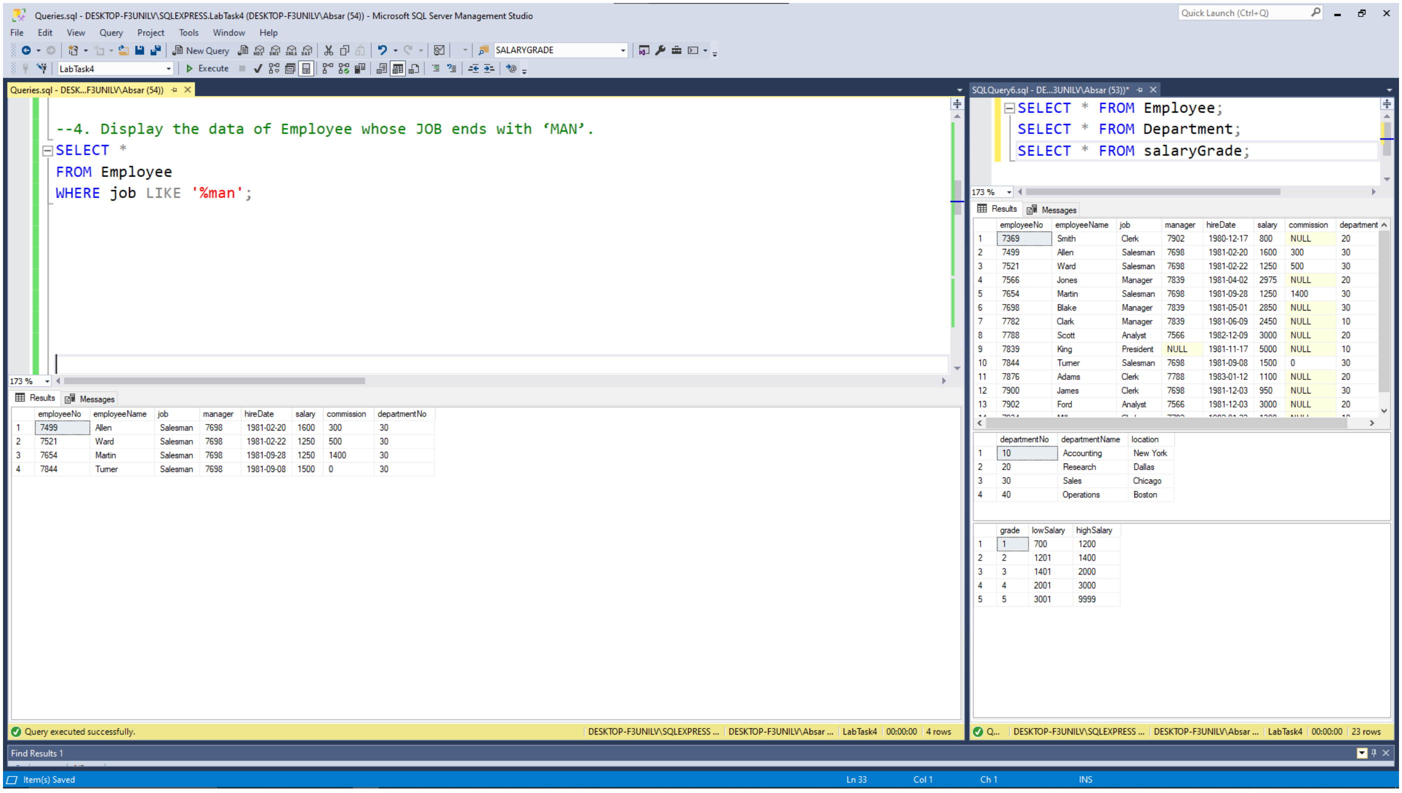
	employeeNo	employeeName	job	manager	hireDate	salary	commission	department
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Q... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

4. Display the data of Employees whose JOB ends with ‘MAN’.


Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
SALARYGRADE
LabTask4
Execute
Quick Launch (Ctrl+Q)
Queries.sql - DESK...F3UNILV\Absar (54))
SQLQuery6.sql - DE...3UNILV\Absar (53))*
173 %
Results
Messages
Find Results 1
Item(s) Saved
Ln 33
Col 1
Ch 1
INS

```
--4. Display the data of Employee whose JOB ends with ‘MAN’.
SELECT *
FROM Employee
WHERE job LIKE '%man';
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
2	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
3	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
4	7844	Turner	Salesman	7698	1981-09-08	1500	0	30

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 4 rows

```
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

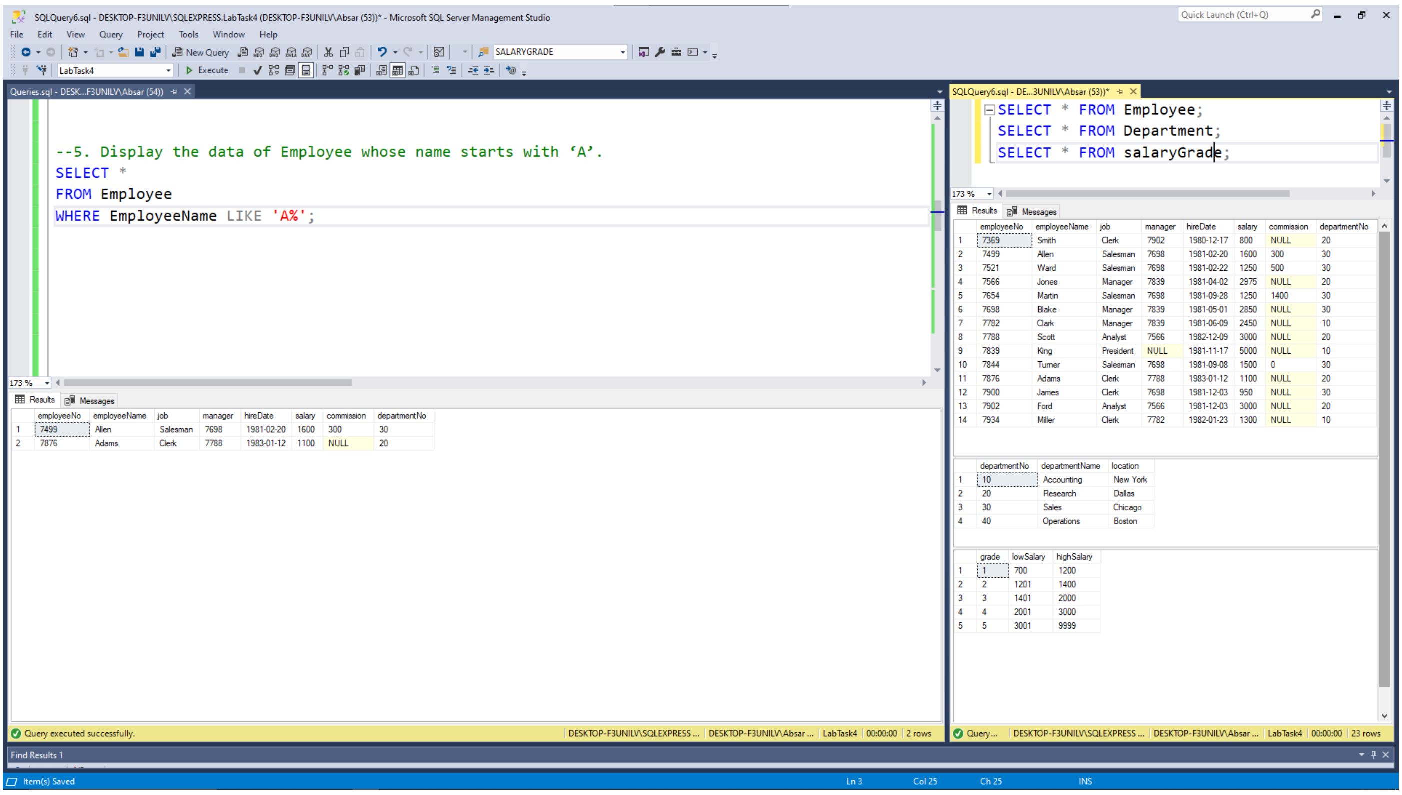
	employeeNo	employeeName	job	manager	hireDate	salary	commission	department
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Q... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

5. Display the data of Employees whose name starts with ‘A’.



SQLQuery6.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (53))* - Microsoft SQL Server Management Studio

Queries.sql - DESK...F3UNILV\Absar (54))

```sql
--5. Display the data of Employee whose name starts with ‘A’.
SELECT *
FROM Employee
WHERE EmployeeName LIKE 'A%';
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
2	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 2 rows

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Tumer	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

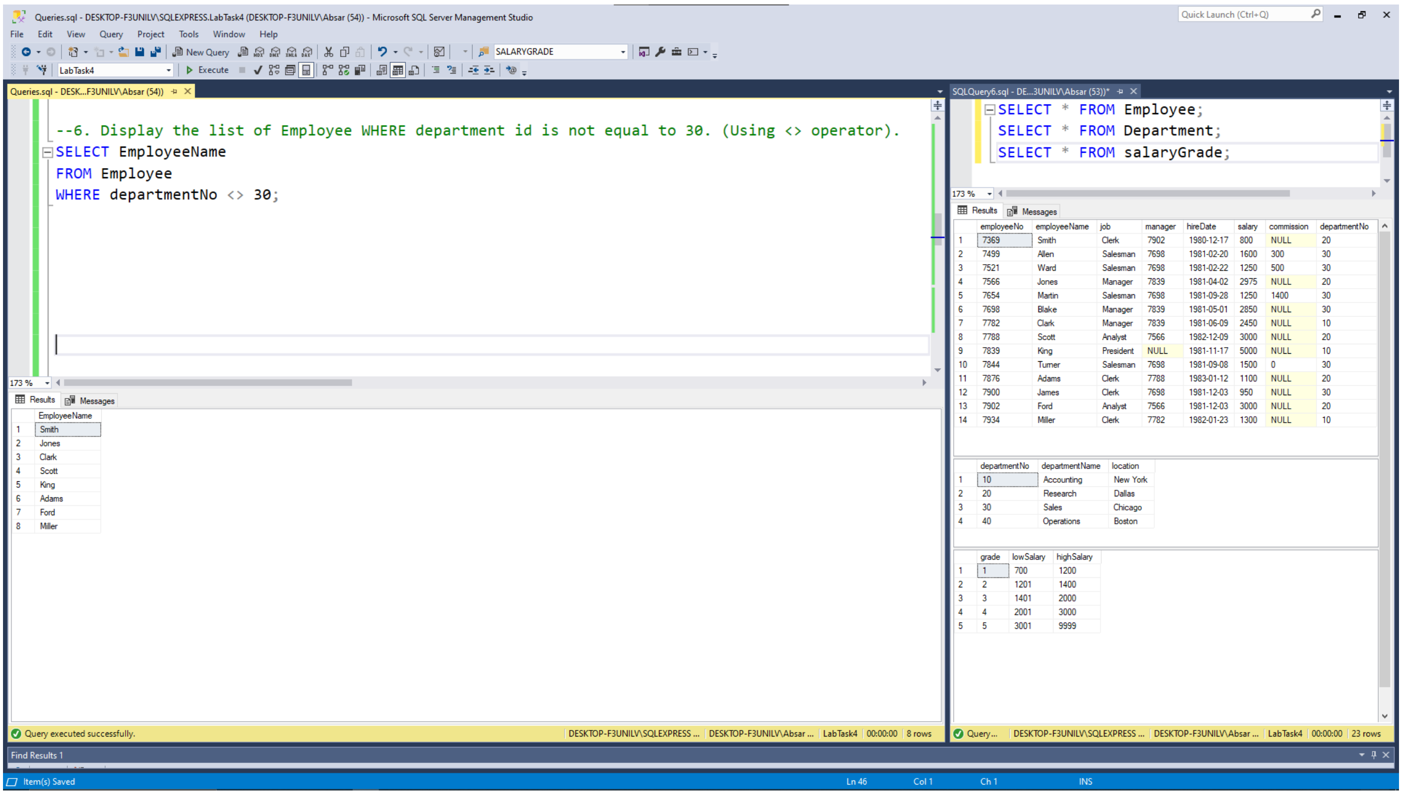
	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

Item(s) Saved Ln 3 Col 25 Ch 25 INS

6. Display the list of employees where department id is not equal to 30. (Using <> operator).



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio

Queries.sql - DESK...F3UNILV\Absar (54))

```sql
--6. Display the list of Employee WHERE department id is not equal to 30. (Using <> operator).
SELECT EmployeeName
FROM Employee
WHERE departmentNo <> 30;
```

	EmployeeName
1	Smith
2	Jones
3	Clark
4	Scott
5	King
6	Adams
7	Ford
8	Miller

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 8 rows

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Tumer	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

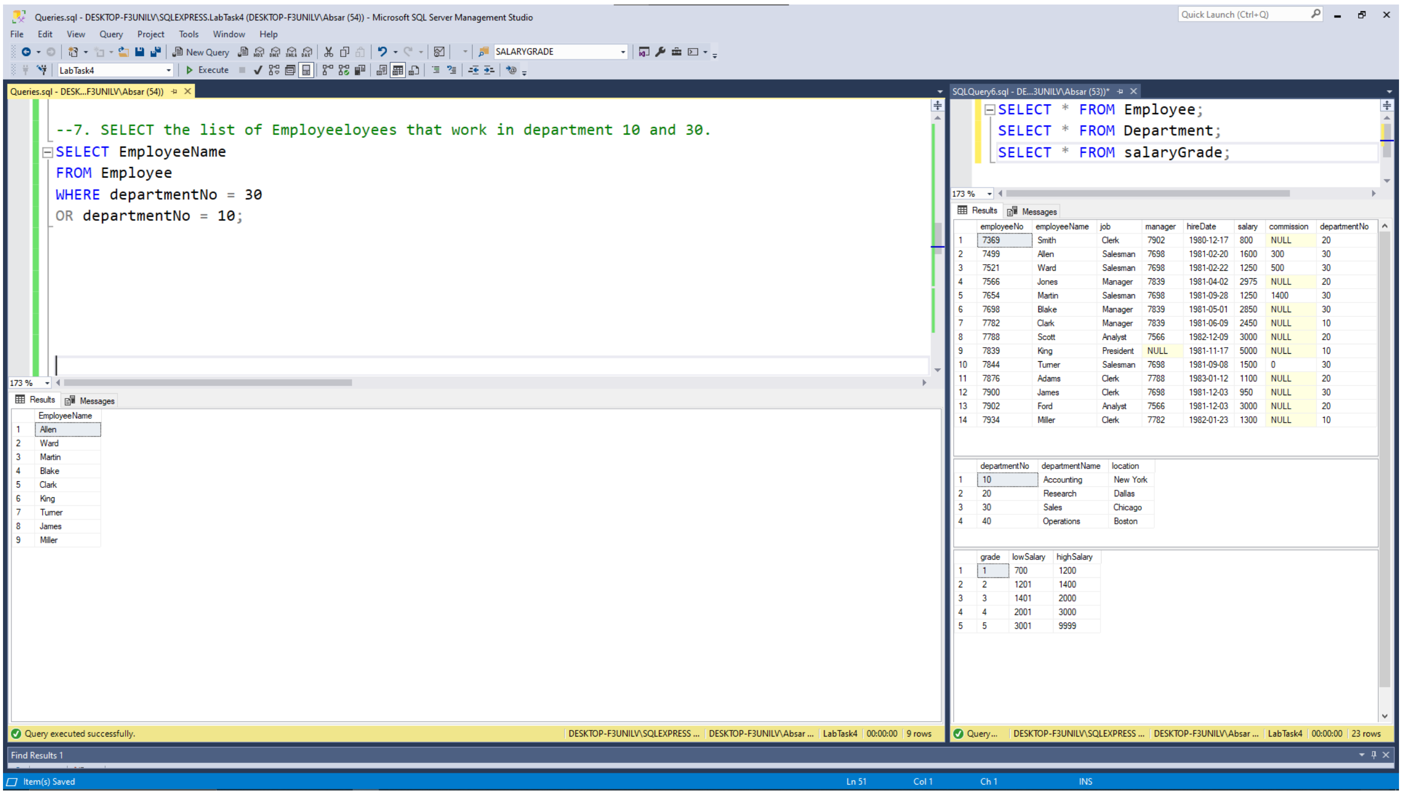
	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

Item(s) Saved Ln 46 Col 1 Ch 1 INS

7. Select the list of employees that work in department 10 and 30.



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio

```
--7. SELECT the list of Employeeloyees that work in department 10 and 30.
SELECT EmployeeName
FROM Employee
WHERE departmentNo = 30
OR departmentNo = 10;
```

	EmployeeName
1	Allen
2	Ward
3	Martin
4	Blake
5	Clark
6	King
7	Turner
8	James
9	Miller

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 9 rows

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

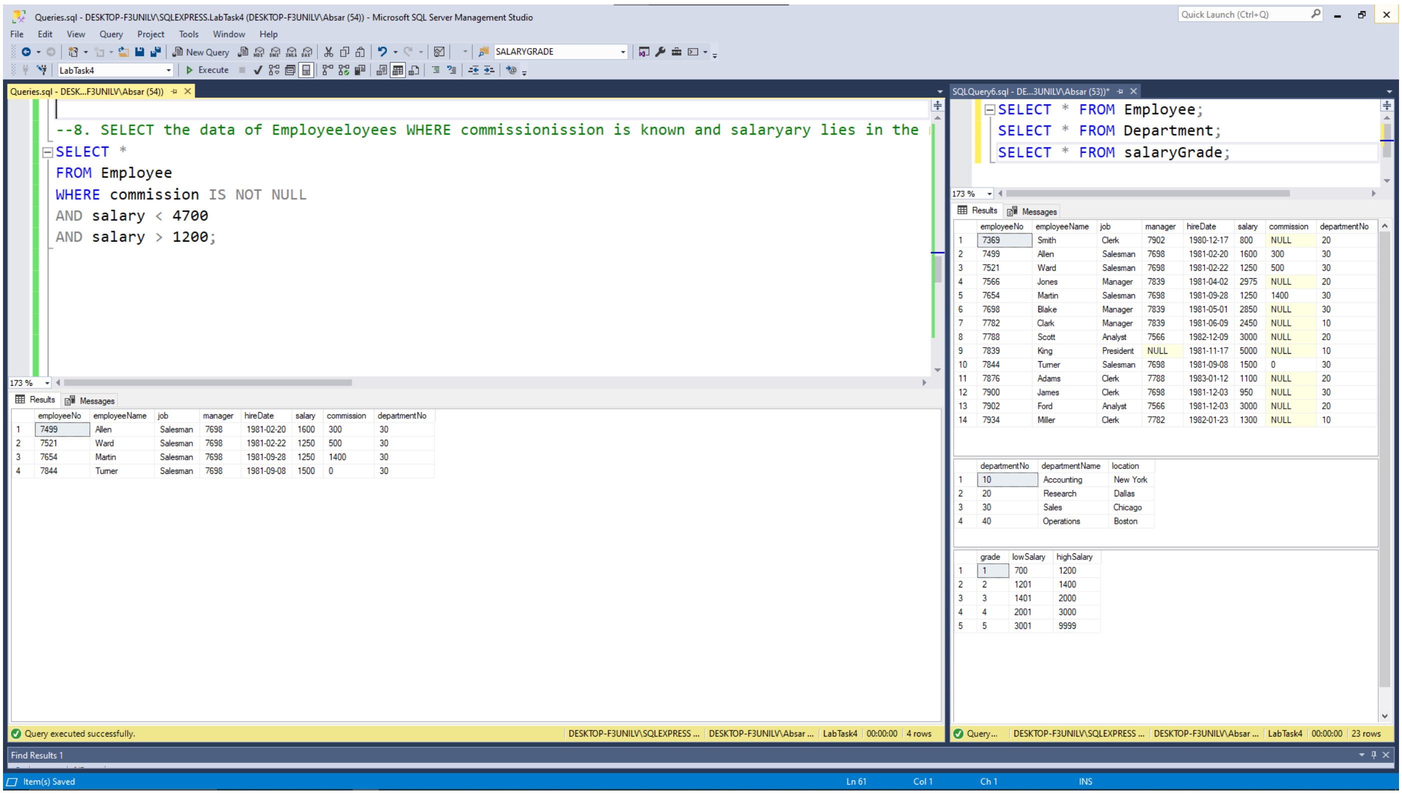
	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

Item(s) Saved Ln 51 Col 1 Ch 1 INS

8. Select the data of employees where commission is known and salary lies in the range 12000 and 47000.



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio

```
--8. SELECT the data of Employeeloyees WHERE commissionission is known and salaryary lies in the
SELECT *
FROM Employee
WHERE commission IS NOT NULL
AND salary < 4700
AND salary > 1200;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
2	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
3	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
4	7844	Turner	Salesman	7698	1981-09-08	1500	0	30

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 4 rows

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

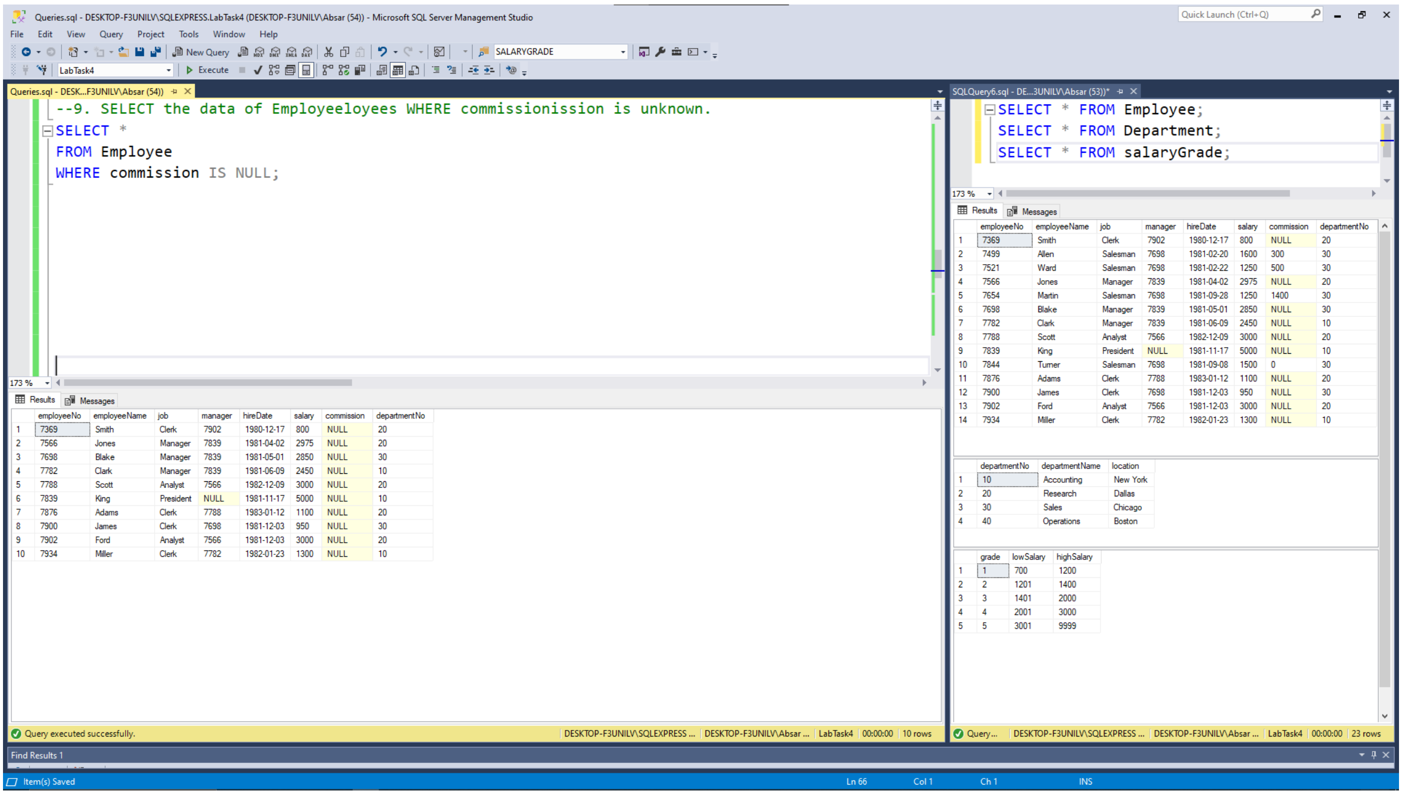
	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

Item(s) Saved Ln 61 Col 1 Ch 1 INS

9. Select the data of employees where commission is unknown.


Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
SALARYGRADE
LabTask4
Execute
Quick Launch (Ctrl+Q)
Queries.sql - DESK...F3UNILV\Absar (54))
SQLQuery6.sql - DE...3UNILV\Absar (53))*
173 %
Results
Messages

```
--9. SELECT the data of Employeeloyees WHERE commissionission is unknown.
SELECT *
FROM Employee
WHERE commission IS NULL;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
3	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
4	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
5	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
6	7839	King	President	NULL	1981-11-17	5000	NULL	10
7	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
8	7900	James	Clerk	7698	1981-12-03	950	NULL	30
9	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
10	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

Query executed successfully. | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 10 rows

```
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

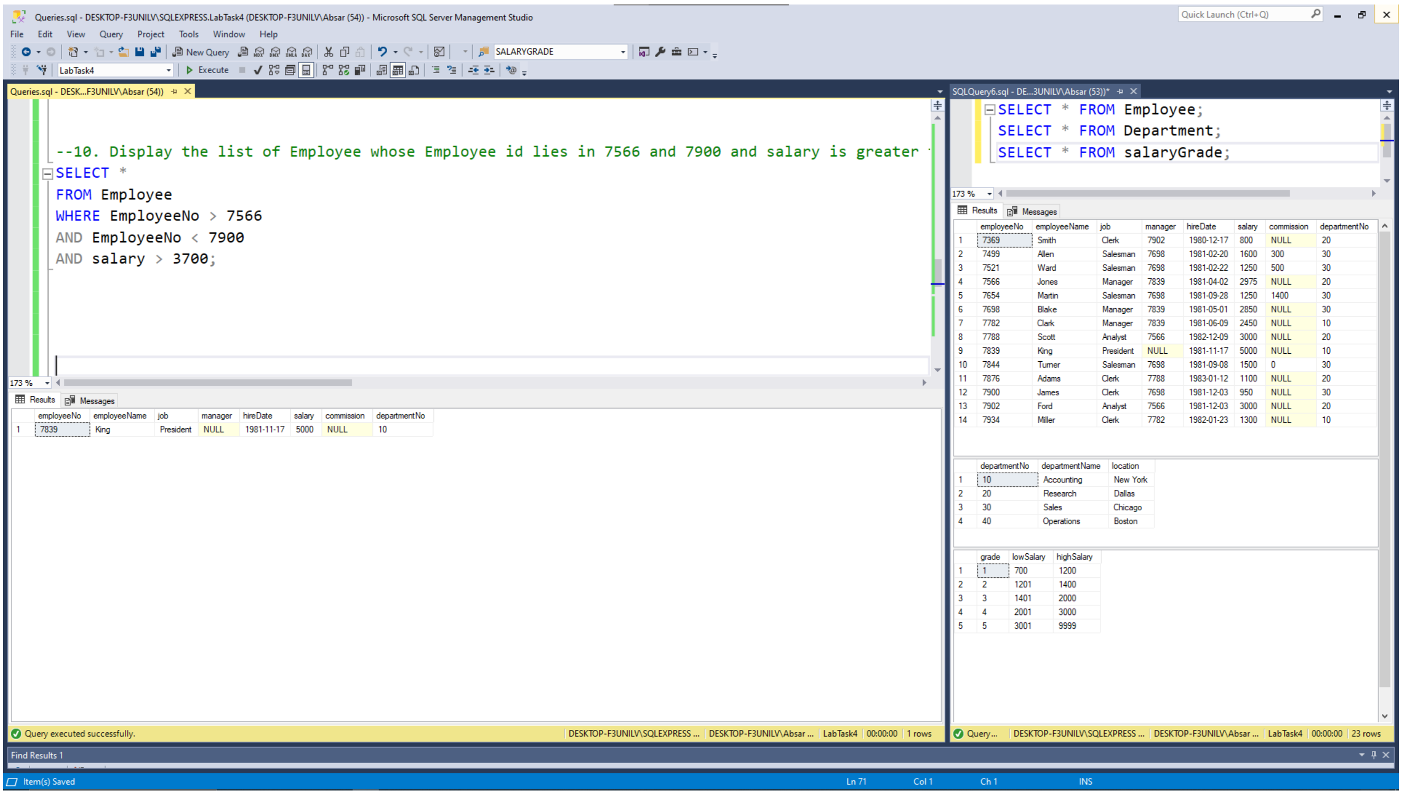
	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 23 rows

Find Results 1

Item(s) Saved | Ln 66 | Col 1 | Ch 1 | INS

10. Display the list of employees whose employee id lies in 7566 and 7900 and salary is greater than 3700.


Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
SALARYGRADE
LabTask4
Execute
Quick Launch (Ctrl+Q)
Queries.sql - DESK...F3UNILV\Absar (54))
SQLQuery6.sql - DE...3UNILV\Absar (53))*
173 %
Results
Messages

```
--10. Display the list of Employee whose Employee id lies in 7566 and 7900 and salary is greater
SELECT *
FROM Employee
WHERE EmployeeNo > 7566
AND EmployeeNo < 7900
AND salary > 3700;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7839	King	President	NULL	1981-11-17	5000	NULL	10

Query executed successfully. | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 1 rows

```
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

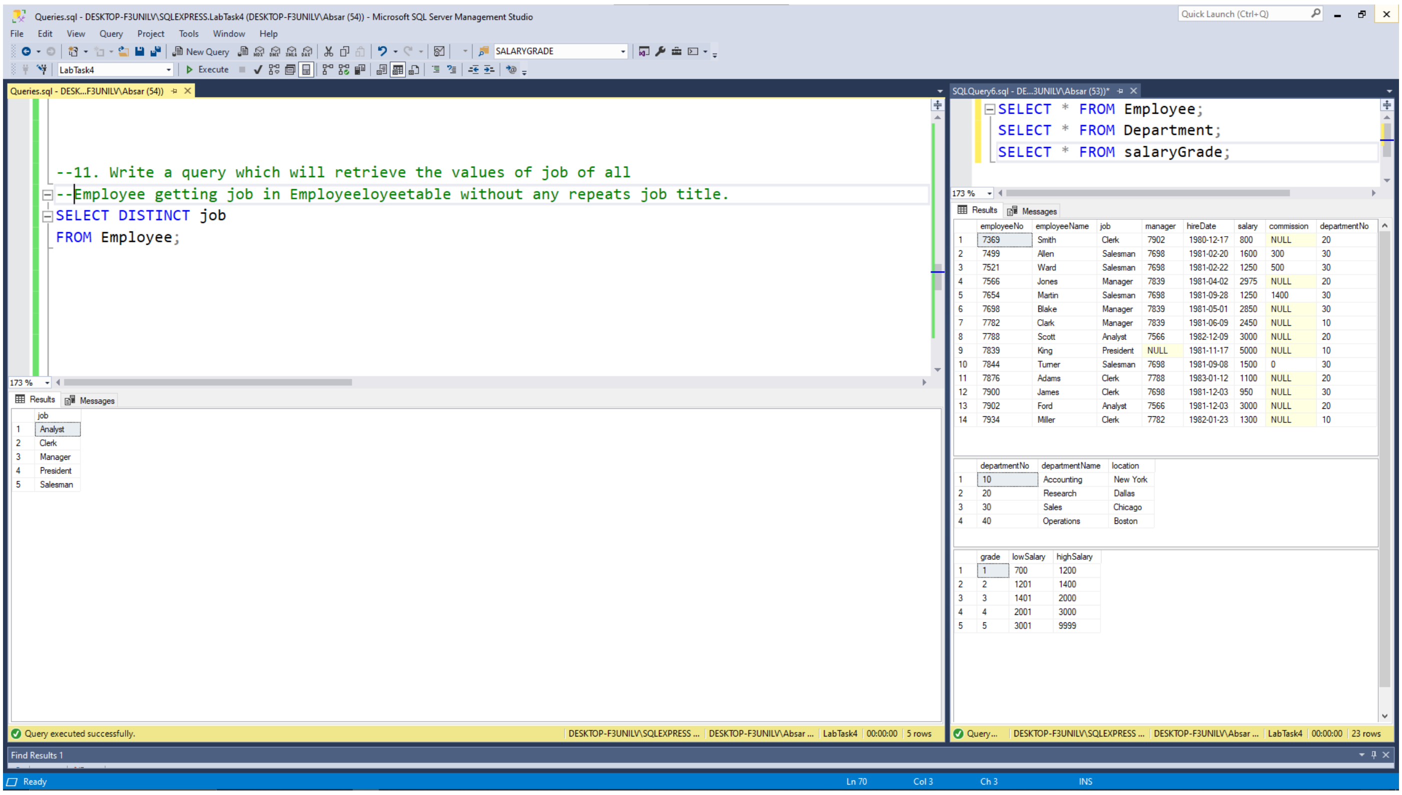
	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 23 rows

Find Results 1

Item(s) Saved | Ln 71 | Col 1 | Ch 1 | INS

11. Write a query which will retrieve the values of job of all employees getting job in employee table without any repeats job title.



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio

```sql
--11. Write a query which will retrieve the values of job of all
--Employee getting job in Employeeloyeetable without any repeats job title.
SELECT DISTINCT job
FROM Employee;
```

	job
1	Analyst
2	Clerk
3	Manager
4	President
5	Salesman

Query executed successfully. | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 5 rows

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

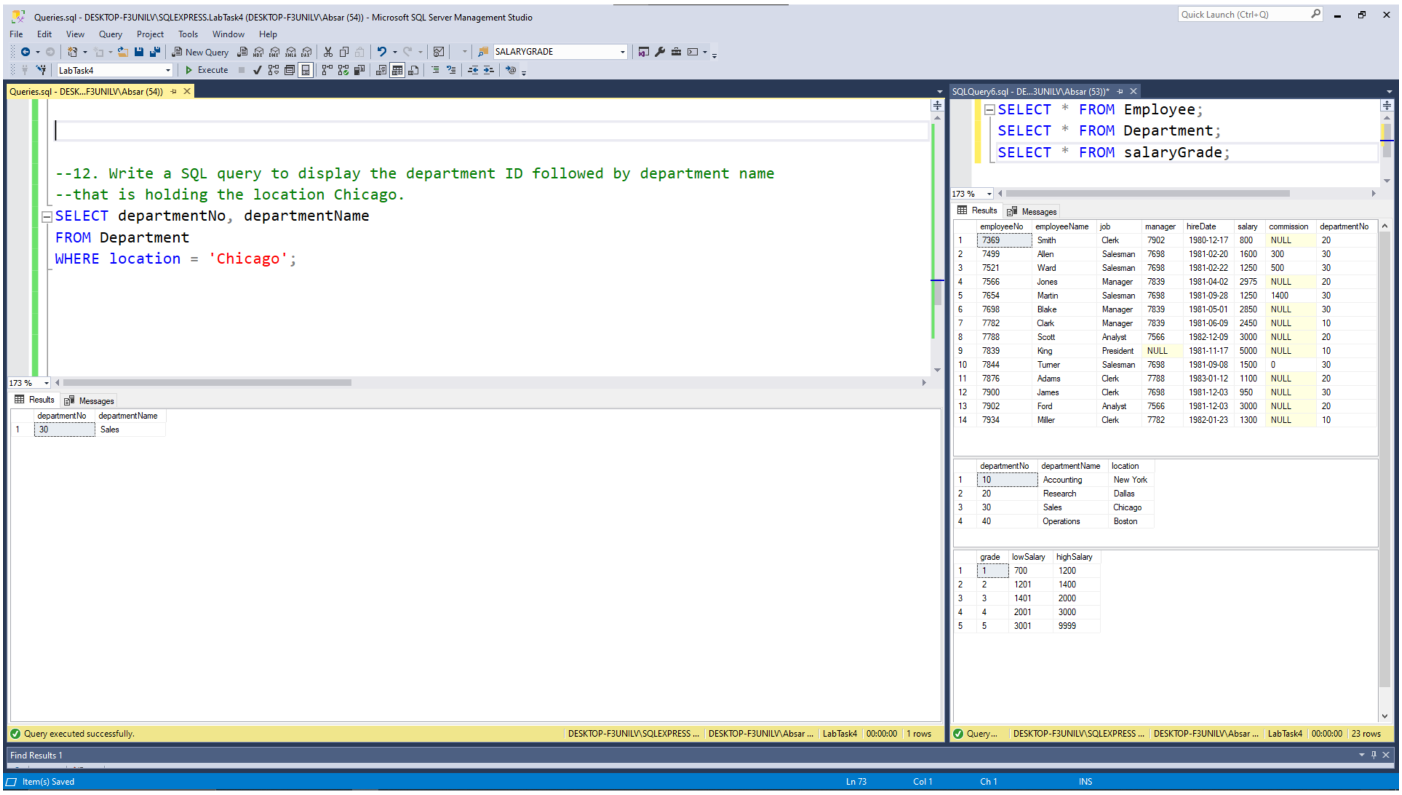
	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 23 rows

Ready Ln 70 Col 3 Ch 3 INS

12. Write a SQL query to display the department ID followed by department name that is holding the location Chicago.



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio

```sql
--12. Write a SQL query to display the department ID followed by department name
--that is holding the location Chicago.
SELECT departmentNo, departmentName
FROM Department
WHERE location = 'Chicago';
```

	departmentNo	departmentName
1	30	Sales

Query executed successfully. | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 1 rows

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

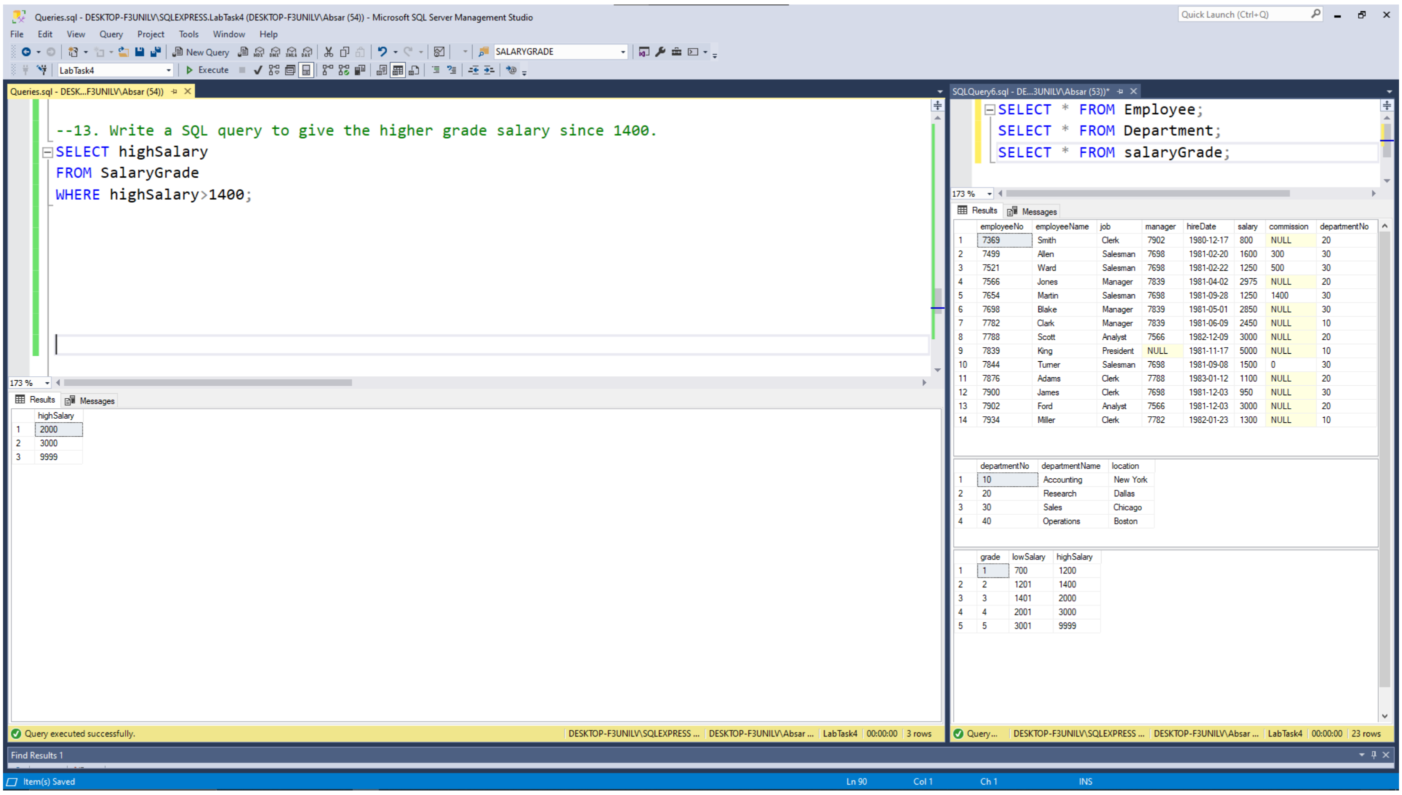
	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... | DESKTOP-F3UNILV\SQLEXPRESS ... | DESKTOP-F3UNILV\Absar ... | LabTask4 | 00:00:00 | 23 rows

Item(s) Saved Ln 73 Col 1 Ch 1 INS

13. Write a SQL query to give the higher-grade salary since 1400.


Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio
Quick Launch (Ctrl+Q)
File Edit View Query Project Tools Window Help
New Query
SALARYGRADE
LabTask4
Execute
Queries.sql - DESK...F3UNILV\Absar (54))
SQLQuery6.sql - DE...3UNILV\Absar (53))*
173 %
Results
Messages
Find Results 1
Item(s) Saved
Ln 90
Col 1
Ch 1
INS

```sql
--13. Write a SQL query to give the higher grade salary since 1400.
SELECT highSalary
FROM SalaryGrade
WHERE highSalary>1400;
```

	highSalary
1	2000
2	3000
3	9999

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 3 rows

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

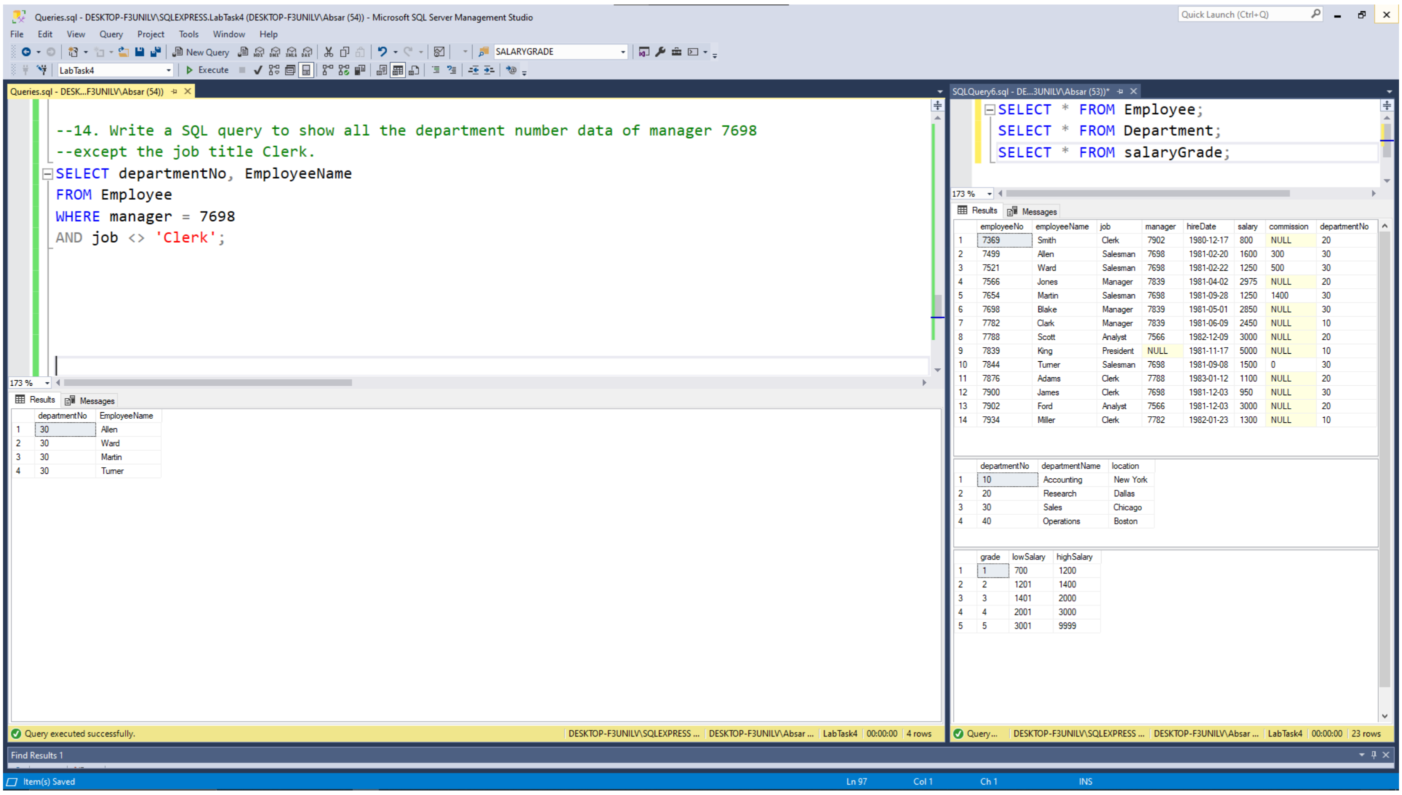
	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

14. Write a SQL query to show all the department number data of MGR 7698 except the job title Clerk.


Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio
Quick Launch (Ctrl+Q)
File Edit View Query Project Tools Window Help
New Query
SALARYGRADE
LabTask4
Execute
Queries.sql - DESK...F3UNILV\Absar (54))
SQLQuery6.sql - DE...3UNILV\Absar (53))*
173 %
Results
Messages
Find Results 1
Item(s) Saved
Ln 97
Col 1
Ch 1
INS

```sql
--14. Write a SQL query to show all the department number data of manager 7698
--except the job title Clerk.
SELECT departmentNo, EmployeeName
FROM Employee
WHERE manager = 7698
AND job <> 'Clerk';
```

	departmentNo	EmployeeName
1	30	Allen
2	30	Ward
3	30	Martin
4	30	Turner

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 4 rows

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

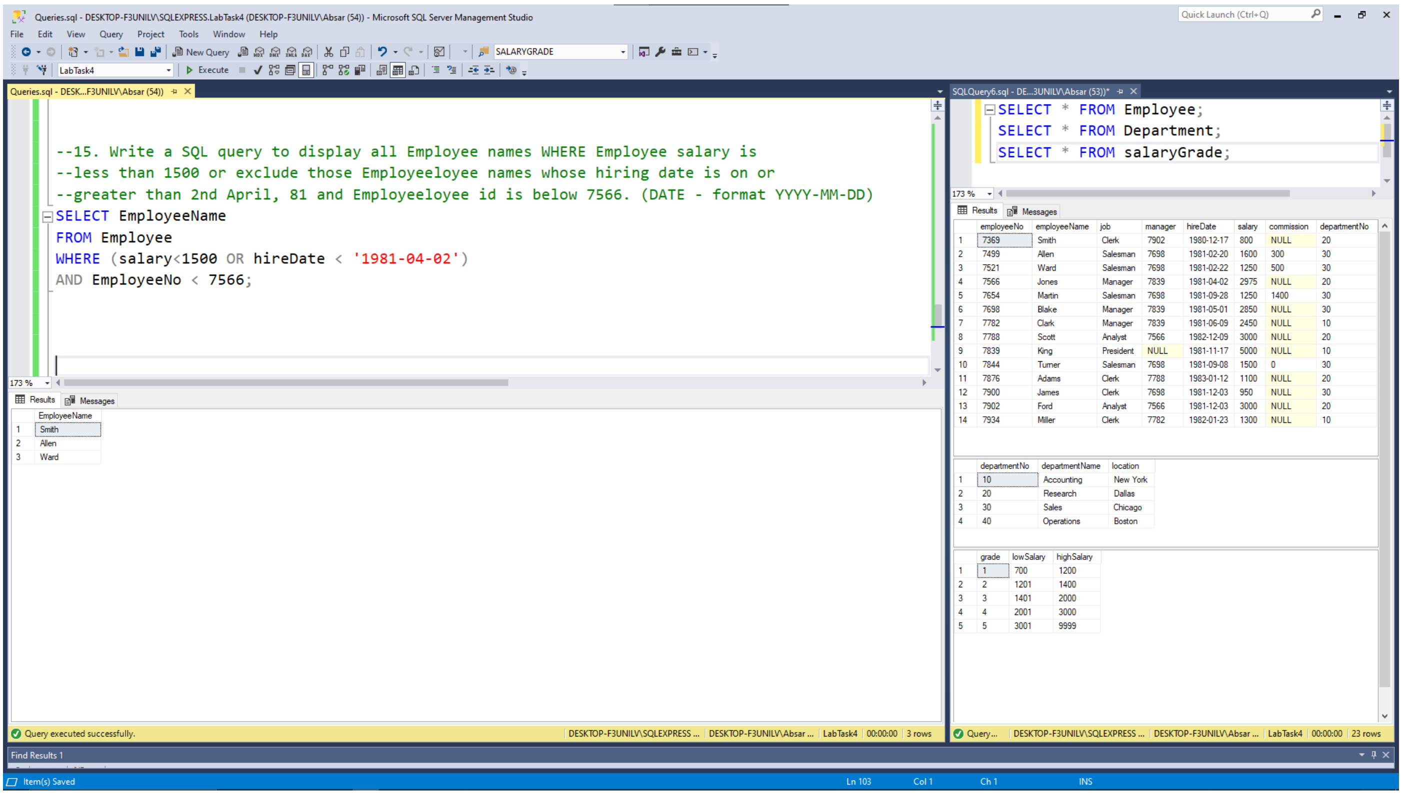
	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

15. Write a SQL query to display all employee names where employee salary is less than 1500 or exclude those employee names whose hiring date is on or greater than 2nd April, 81 and employee id is below 7566. (DATE - format YYYY-MM-DD)



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio

```sql
--15. Write a SQL query to display all Employee names WHERE Employee salary is
--less than 1500 or exclude those Employeeloyee names whose hiring date is on or
--greater than 2nd April, 81 and Employeeloyee id is below 7566. (DATE - format YYYY-MM-DD)
SELECT EmployeeName
FROM Employee
WHERE (salary<1500 OR hireDate < '1981-04-02')
AND EmployeeNo < 7566;
```

	EmployeeName
1	Smith
2	Allen
3	Ward

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 3 rows

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

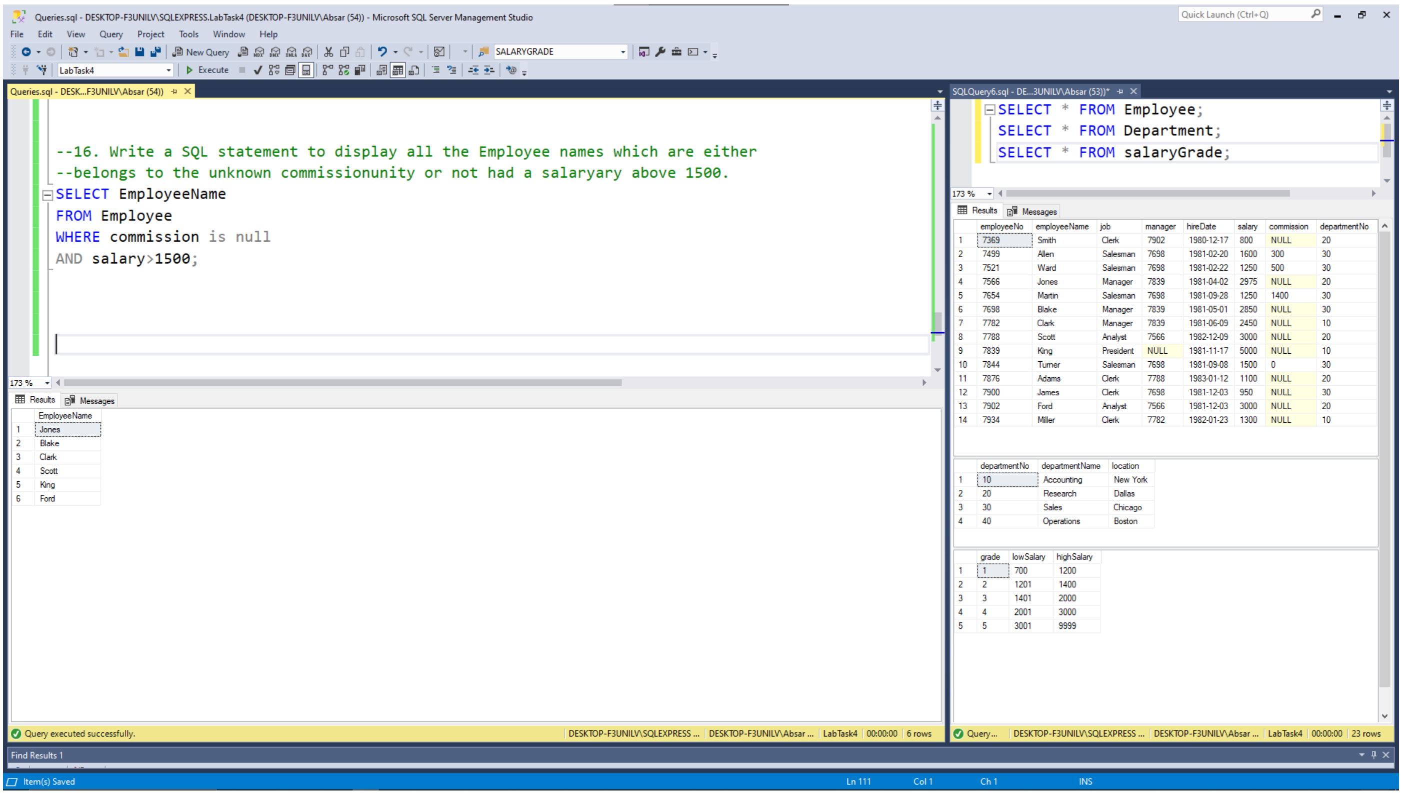
	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

Item(s) Saved Ln 103 Col 1 Ch 1 INS

16. Write a SQL statement to display all the employee names which are either belongs to the unknown community or not had a salary above 1500.



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio

```sql
--16. Write a SQL statement to display all the Employee names which are either
--belongs to the unknown commissionunity or not had a salaryary above 1500.
SELECT EmployeeName
FROM Employee
WHERE commission is null
AND salary>1500;
```

	EmployeeName
1	Jones
2	Blake
3	Clark
4	Scott
5	King
6	Ford

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 6 rows

SQLQuery6.sql - DE...3UNILV\Absar (53))*

```sql
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

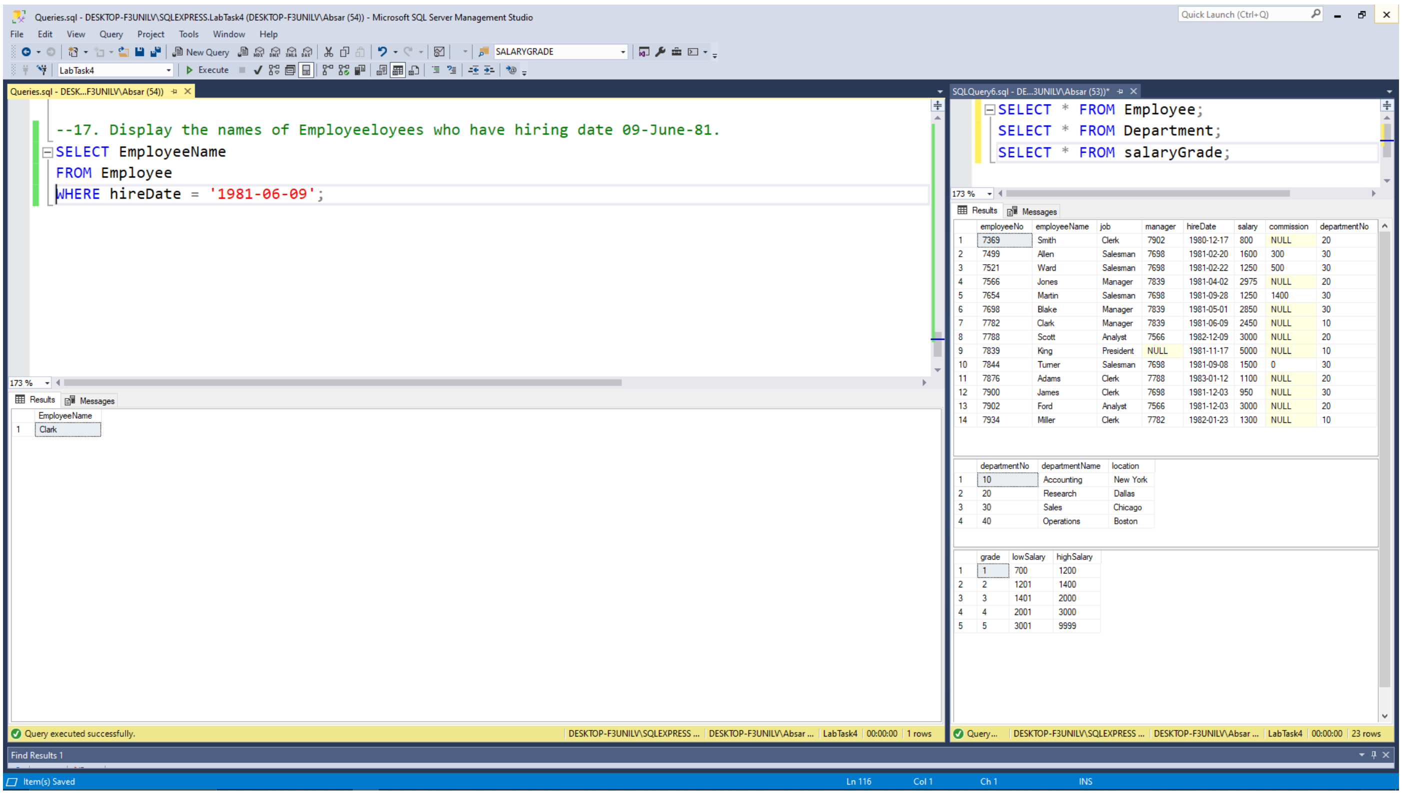
	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

Item(s) Saved Ln 111 Col 1 Ch 1 INS

17. Display the names of Employees who have hiring date 09-June-81.



Queries.sql - DESKTOP-F3UNILV\SQLEXPRESS.LabTask4 (DESKTOP-F3UNILV\Absar (54)) - Microsoft SQL Server Management Studio

```
--17. Display the names of Employeeloyees who have hiring date 09-June-81.
SELECT EmployeeName
FROM Employee
WHERE hireDate = '1981-06-09';
```

	EmployeeName
1	Clark

Query executed successfully. DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 1 rows

```
SELECT * FROM Employee;
SELECT * FROM Department;
SELECT * FROM salaryGrade;
```

	employeeNo	employeeName	job	manager	hireDate	salary	commission	departmentNo
1	7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
2	7499	Allen	Salesman	7698	1981-02-20	1600	300	30
3	7521	Ward	Salesman	7698	1981-02-22	1250	500	30
4	7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
5	7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
6	7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7	7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
8	7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
9	7839	King	President	NULL	1981-11-17	5000	NULL	10
10	7844	Turner	Salesman	7698	1981-09-08	1500	0	30
11	7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
12	7900	James	Clerk	7698	1981-12-03	950	NULL	30
13	7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
14	7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

	departmentNo	departmentName	location
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

	grade	lowSalary	highSalary
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query... DESKTOP-F3UNILV\SQLEXPRESS ... DESKTOP-F3UNILV\Absar ... LabTask4 00:00:00 23 rows

Item(s) Saved Ln 116 Col 1 Ch 1 INS