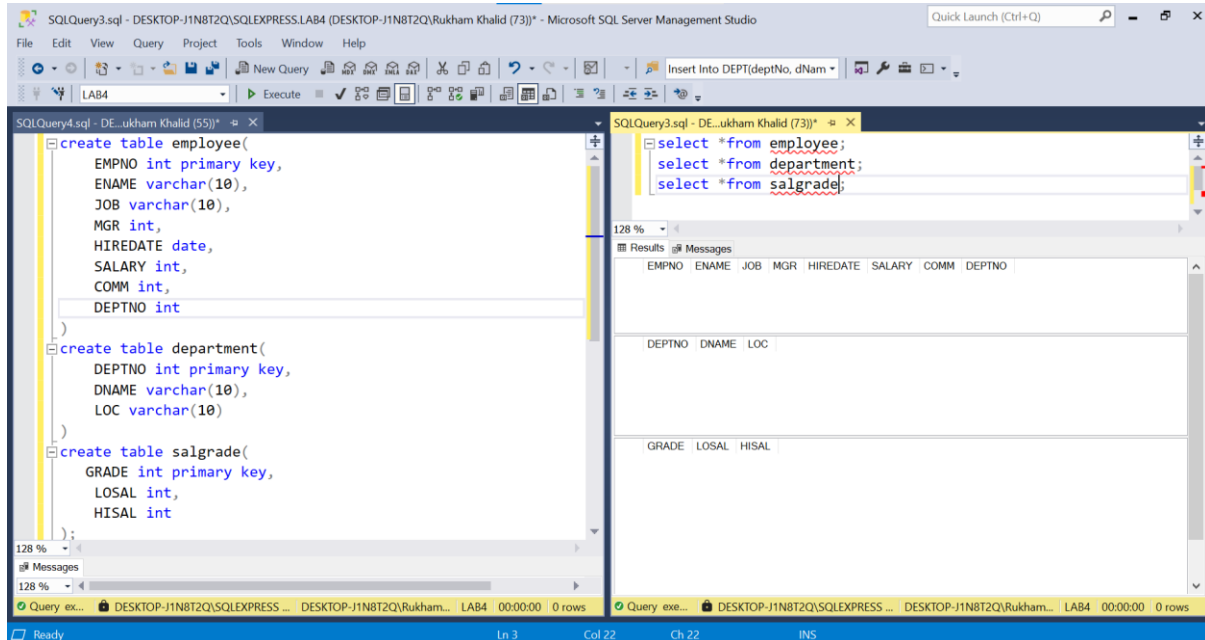
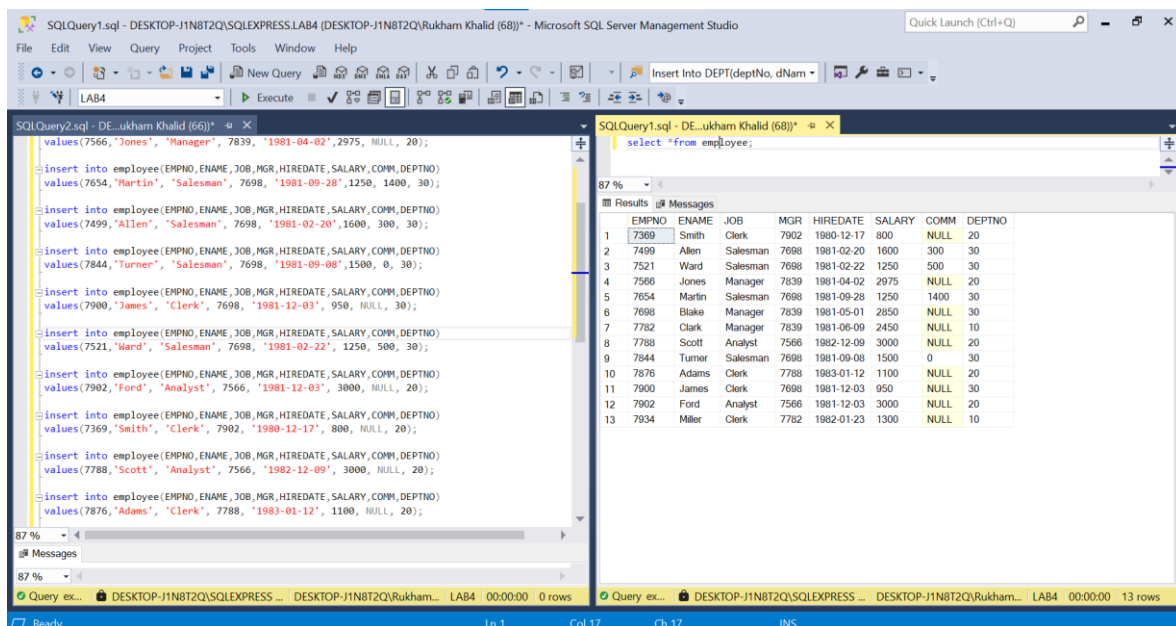


LAB 4

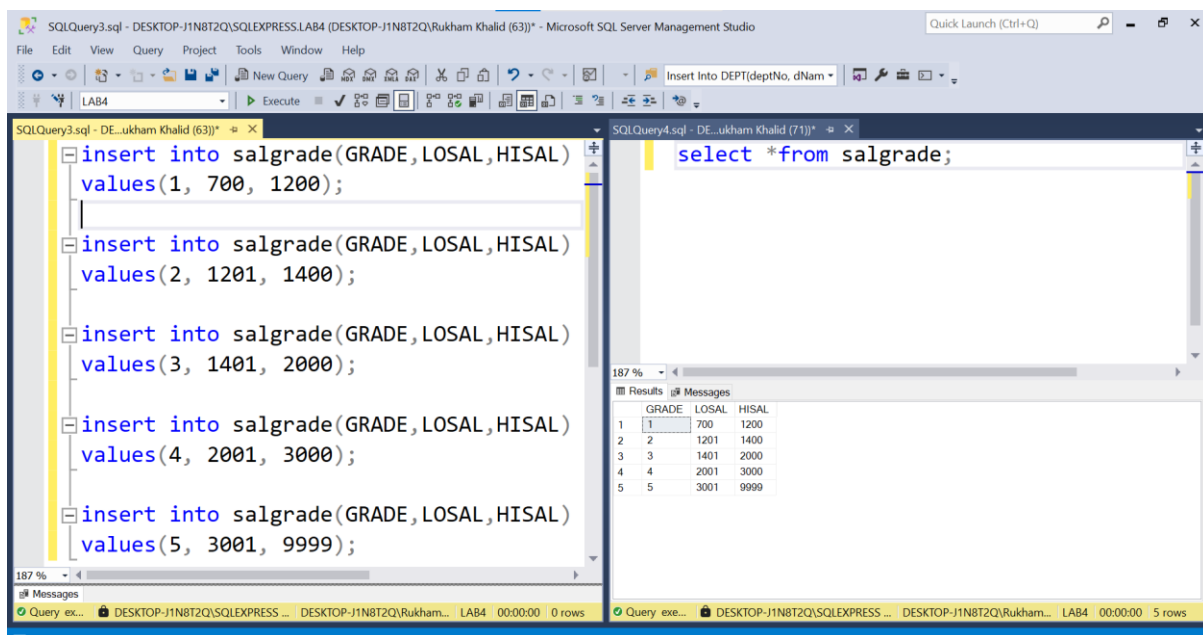
Creating Tables



Inserting To Employee



Inserting To Salgrade



SQLQuery3.sql - DE...ukham Khalid (63)**

```
insert into salgrade(GRADE, LOSAL, HISAL)
values(1, 700, 1200);

insert into salgrade(GRADE, LOSAL, HISAL)
values(2, 1201, 1400);

insert into salgrade(GRADE, LOSAL, HISAL)
values(3, 1401, 2000);

insert into salgrade(GRADE, LOSAL, HISAL)
values(4, 2001, 3000);

insert into salgrade(GRADE, LOSAL, HISAL)
values(5, 3001, 9999);
```

SQLQuery4.sql - DE...ukham Khalid (71)**

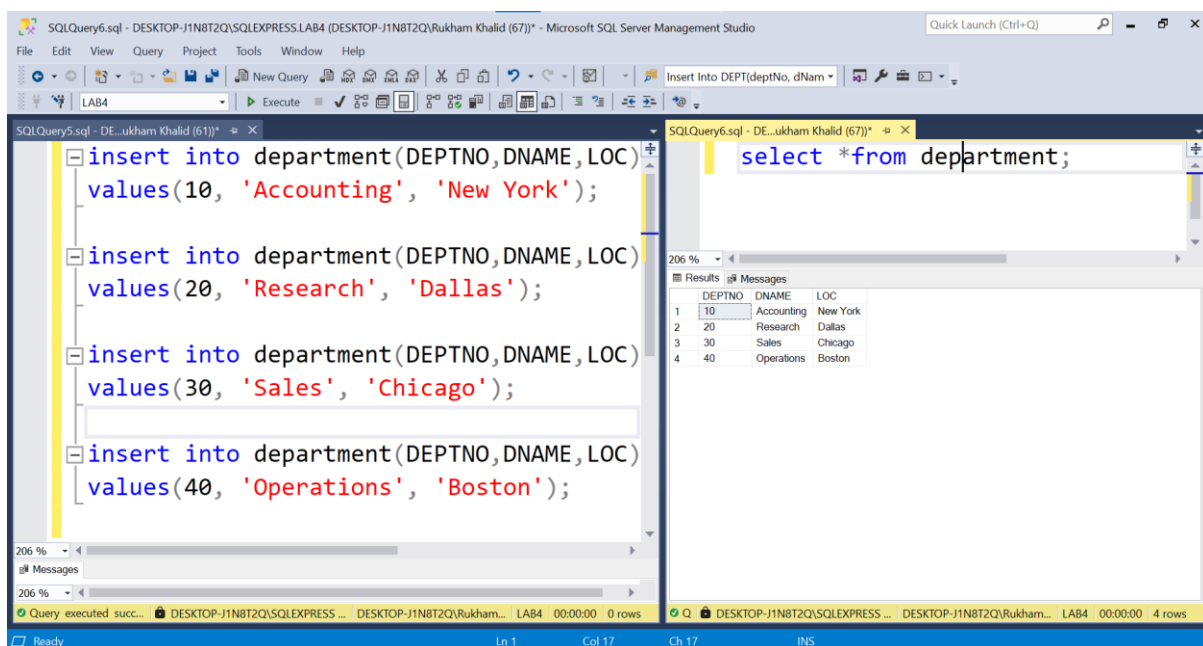
```
select *from salgrade;
```

Results

	GRADE	LOSAL	HISAL
1	1	700	1200
2	2	1201	1400
3	3	1401	2000
4	4	2001	3000
5	5	3001	9999

Query executed succ... 0 rows

Inserting To Department



SQLQuery5.sql - DE...ukham Khalid (61)**

```
insert into department(DEPTNO,DNAME,LOC)
values(10, 'Accounting', 'New York');

insert into department(DEPTNO,DNAME,LOC)
values(20, 'Research', 'Dallas');

insert into department(DEPTNO,DNAME,LOC)
values(30, 'Sales', 'Chicago');

insert into department(DEPTNO,DNAME,LOC)
values(40, 'Operations', 'Boston');
```

SQLQuery6.sql - DE...ukham Khalid (67)**

```
select *from department;
```

Results

	DEPTNO	DNAME	LOC
1	10	Accounting	New York
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Operations	Boston

Query executed succ... 0 rows

Query 01 & 02

SQLQuery1.sql - DE...ukham Khalid (64)*

```
--1
select *from employee;
select *from department;
select *from salgrade;
```

Results

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
7499	Allen	Salesman	7698	1981-02-20	1600	300	30
7521	Ward	Salesman	7698	1981-02-22	1250	500	30
7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20

DEPTNO DNAME LOC

10	Accounting	New York
20	Research	Dallas
30	Sales	Chicago
40	Operations	Boston

GRADE LOSAL HISAL

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

SQLQuery2.sql - DE...ukham Khalid (72)*

```
--2
select *from employee
where ENAME='James';
```

Results

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7900	James	Clerk	7698	1981-12-03	950	NULL	30

Query 03 & 04

SQLQuery1.sql - DE...ukham Khalid (64)*

```
--3
select *from employee
where ENAME like '_a%';
```

Results

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7521	Ward	Salesman	7698	1981-02-22	1250	500	30
7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
7900	James	Clerk	7698	1981-12-03	950	NULL	30

SQLQuery2.sql - DE...ukham Khalid (72)*

```
--4
select *from employee
where job like '%man';
```

Results

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7499	Allen	Salesman	7698	1981-02-20	1600	300	30
7521	Ward	Salesman	7698	1981-02-22	1250	500	30
7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
7844	Turner	Salesman	7698	1981-09-08	1500	0	30

Query 05 & 06

The screenshot shows two SQL queries being executed in Microsoft SQL Server Management Studio. The left query, labeled --5, filters employees by name. The right query, labeled --6, filters employees by department number.

Query --5:

```
--5
select *from employee
where ENAME like 'A%';
```

Results for Query --5:

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7499	Allen	Salesman	7698	1981-02-20	1600	300	30
7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20

Query --6:

```
--6
select ENAME
from employee
where DEPTNO <>30;
```

Results for Query --6:

ENAME
Smith
Jones
Clark
Scott
Adams
Ford
Miller

Query 07 & 08

The screenshot shows two SQL queries being executed in Microsoft SQL Server Management Studio. The left query, labeled --7, filters employees by department number. The right query, labeled --8, filters employees by salary and commission.

Query --7:

```
--7
select ENAME
from employee
where DEPTNO=10
or DEPTNO=30;
```

Results for Query --7:

ENAME
Allen
Ward
Martin
Blake
Clark
Turner
James
Miller

Query --8:

```
--8
select *from employee
where COMM is not null and SALARY>1200
and SALARY<4700;
```

Results for Query --8:

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7499	Allen	Salesman	7698	1981-02-20	1600	300	30
7521	Ward	Salesman	7698	1981-02-22	1250	500	30
7654	Martin	Salesman	7698	1981-09-28	1250	1400	30
7844	Turner	Salesman	7698	1981-09-08	1500	0	30

Query 09 & 10

The screenshot displays two SQL queries in Microsoft SQL Server Management Studio. The left pane shows Query1.sql with a query that filters employees where the commission is null. The right pane shows Query2.sql with a query that filters employees by salary and employee number.

Query 09 (Left Pane):

```
--9
select *from employee
where COMM is null;
```

Results (Left Pane):

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
7369	Smith	Clerk	7902	1980-12-17	800	NULL	20
7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
7788	Scott	Analyst	7566	1982-12-09	3000	NULL	20
7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
7900	James	Clerk	7698	1981-12-03	950	NULL	30
7902	Ford	Analyst	7566	1981-12-03	3000	NULL	20
7934	Miller	Clerk	7782	1982-01-23	1300	NULL	10

Query 10 (Right Pane):

```
--10
select *from employee
where SALARY>3700 and
EMPNO<7900 and EMPNO>7566;
```

Results (Right Pane):

EMPNO	ENAME	JOB	MGR	HIREDATE	SALARY	COMM	DEPTNO
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Query 11& 12

The screenshot displays two SQL queries in Microsoft SQL Server Management Studio. The left pane shows Query1.sql with a query that lists distinct job titles. The right pane shows Query2.sql with a query that filters departments by location.

Query 11 (Left Pane):

```
--11
select distinct job
from employee;
```

Results (Left Pane):

job
Analyst
Clerk
Manager
Salesman

Query 12 (Right Pane):

```
--12
select DEPTNO,DNAME
from department
where LOC='Chicago';
```

Results (Right Pane):

DEPTNO	DNAME
30	Sales

Query 13 & 14

The screenshot shows two query windows in Microsoft SQL Server Management Studio. The left window, titled 'SQLQuery1.sql - DE...ukham Khalid (64j)*', contains Query 13: `--13 select HISAL from salgrade where HISAL > 1400;`. The results pane shows three rows of HISAL values: 2000, 3000, and 9999. The right window, titled 'SQLQuery2.sql - DE...ukham Khalid (72j)*', contains Query 14: `--14 select ENAME, DEPTNO from employee where job <> 'Clerk' and MGR = 7698;`. The results pane shows four rows of employee data: Allen (DEPTNO 30), Ward (DEPTNO 30), Martin (DEPTNO 30), and Turner (DEPTNO 30). The status bar at the bottom indicates 'Query executed successfully' and shows the number of rows returned for each query.

HISAL
2000
3000
9999

ENAME	DEPTNO
Allen	30
Ward	30
Martin	30
Turner	30

Query 15 & 16

The screenshot shows two query windows in Microsoft SQL Server Management Studio. The left window, titled 'SQLQuery1.sql - DE...ukham Khalid (64j)*', contains Query 15: `--15 select ENAME from employee where (HIREDATE < '1981-04-02' or SALARY < 1500) and EMPNO < 7566;`. The results pane shows three rows of employee names: Smith, Allen, and Ward. The right window, titled 'SQLQuery2.sql - DE...ukham Khalid (72j)*', contains Query 16: `--16 select ENAME from employee where SALARY > 1500 and COMM is null;`. The results pane shows five rows of employee names: Jones, Blake, Clark, Scott, and Ford. The status bar at the bottom indicates 'Query executed successfully' and shows the number of rows returned for each query.

ENAME
Smith
Allen
Ward

ENAME
Jones
Blake
Clark
Scott
Ford

Query 17

The screenshot shows the Microsoft SQL Server Management Studio interface. The main query editor contains the following SQL code:

```
--17  
select ENAME  
from employee  
where HIREDATE = '1981-06-09';
```

Below the query editor, the 'Results' tab is active, displaying a single row of data:

	ENAME
1	Clark

The status bar at the bottom indicates 'Query executed successfully.' and '1 rows'.