```
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 -- Query Editor Features --
```

USE Microsoft SQL Server Management Studio

The raw SQL Query is provided as a separate .sql file with the same name as this file

CREATING TABLES

ON [PRIMARY]

GO

```
Create these tables:
- Employee (empid int, empname varchar(50), deptid varchar(50), salary float, mgrid int)
- emp (empid int, empname varchar(50), deptid varchar(50))
- dept (empid int, deptname varchar(50), deptid varchar(50))
- Phone (empid int, phnumber varchar(50))
-- Creating Employee table --
Query:
USE [Leo]
GO
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
|CREATE TABLE [dbo].[Employee]
    [empid] [int] NULL,
    [empname] [varchar](50) NULL,
    [deptid] [varchar](50) NULL,
    [salary] [float] NULL,
    [mgrid] [int] NULL
```

Results

```
100 %
Commands completed successfully.
   Completion time: 2023-03-14T03:23:38.3027422-04:00
100 % ▼ 4
Results Messages
     empid empname deptid salary mgrid
-- Creating emp table --
Query:
 USE [Leo]
 GO
 /***** Object: Table [dbo].[emp] Script Date: 3/14/2023 3:32:38 AM ******/
 SET ANSI_NULLS ON
 GO
 SET QUOTED_IDENTIFIER ON
 GO
□ CREATE TABLE [dbo].[emp](
     [empid] [int] NULL,
     [empname] [varchar](50) NULL,
     [deptid] [varchar](50) NULL
 ON [PRIMARY]
 G<sub>0</sub>
```

Results

```
100 % 

| Messages |
| Commands completed successfully.
| Completion time: 2023-03-14T03:37:39.3842420-04:00 |
| 100 % | Results | Messages |
| empid empname deptid
```

-- Creating dept table - -

Query:

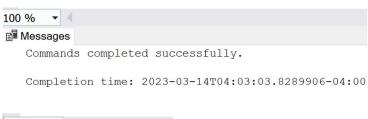
```
USE [Leo]
GO

/****** Object: Table [dbo].[dept] Script Date: 3/14/2023 3:57:00 AM *****/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

=CREATE TABLE [dbo].[dept](
        [empid] [int] NULL,
        [deptname] [varchar](50) NULL,
        [deptid] [varchar](50) NULL
) ON [PRIMARY]
GO
```

Results



```
100 % 

Results Messages

empid deptname deptid
```

```
-- Creating phone table --
Query:
```

```
USE [Leo]
 GO
 /***** Object: Table [dbo].[Phone] Script Date: 3/14/2023 7:20:09 AM ******/
 SET ANSI NULLS ON
 GO
 SET QUOTED_IDENTIFIER ON
∃CREATE TABLE [dbo].[Phone](
     [empid] [int] NULL,
     [phnumber] varchar(50) NULL
 ON [PRIMARY]
 GO
100 % ▼ ◀
Messages
   Commands completed successfully.
   Completion time: 2023-03-14T04:22:11.5476024-04:00
100 % ▼ ◀
Results Messages
     empid phnumber
```

Populate the tables above. Insert 10 rows in each table.

Results

```
-- Inserting records into the Employee table --

Query:

INSERT INTO Employee (empid, empname, deptid, salary, mgrid)

VALUES (1, 'John Doe', '04', 50000, 2),

(2, 'Jane Smith', '01', 60000, 3),

(3, 'Bob Johnson', '05', 70000, 4),

(4, 'Mary Adams', '03', 80000, 5),

(5, 'David Lee', '02', 90000, 6),

(6, 'Emily Chen', '04', 55000, 2),

(7, 'Mark Davis', '01', 65000, 3),

(8, 'Rachel Kim', '05', 75000, 4),

(9, 'Tom Johnson', '03', 85000, 5),

(10, 'Samantha Lee', '02', 95000, 6);
```

```
100 % 
Messages

(10 rows affected)

Completion time: 2023-03-14T06:08:12.2968139-04:00
```

-- Inserting records into the emptable --

Query:

```
INSERT INTO emp (empid, empname, deptid)
VALUES (1, 'John Doe', '04'),
        (2, 'Jane Smith', '01'),
        (3, 'Bob Johnson', '05'),
        (4, 'Mary Adams', '03'),
        (5, 'David Lee', '02'),
        (6, 'Emily Chen', '04'),
        (7, 'Mark Davis', '01'),
        (8, 'Rachel Kim', '05'),
        (9, 'Tom Johnson', '03'),
        (10, 'Samantha Lee', '02');
```

Results

Query:

```
100 % 
Messages

(10 rows affected)

Completion time: 2023-03-14T06:08:12.2968139-04:00

-- Inserting records into the dept table --
```

```
INSERT INTO dept (empid, deptname, deptid)
VALUES (1, 'Marketing', '04'),
       (2, 'Sales', '01'),
       (3, 'Finance', '05'),
       (4, 'Human Resources', '03'),
       (5, 'Information Technology', '02'),
       (6, 'Marketing', '04'),
       (7, 'Sales', '01'),
       (8, 'Finance', '05'),
       (9, 'Human Resources', '03'),
       (10, 'Information Technology', '02');
100 % ▼ 4
Messages
   (10 rows affected)
   Completion time: 2023-03-14T07:03:12.2717291-04:00
-- Inserting records into the phone table --
Query:
INSERT INTO Phone (empid, phnumber)
VALUES (1, '123-456-7890'),
       (2, '234-567-8901'),
       (3, '345-678-9012'),
       (4, '456-789-0123'),
       (5, '567-890-1234'),
       (6, '678-901-2345'),
       (7, '789-0123-456'),
       (8, '890-1234-567'),
       (9, '901-234-5678'),
       (10, '012-345-6789');
100 % ▼ 4
(10 rows affected)
   Completion time: 2023-03-14T07:31:25.6757477-04:00
```

CREATING SELECT STATEMENTS

- a. Retrieve all records from Employee table
- b. Retrieve all records from Emp table

- c. Retrieve all records from dept table
- d. Retrieve all columns from the emp table where first name = David
- e. Retrieve empname and Salary from the Employee table where Salary is greater than \$80,000.
- f. Find the deptname of deptid 1
- g. Select all empid's from Employee table where mgrid = 5
- h. Select all empid's from Phone table where employee does not have a phone number.
- -- a. Retrieving all records from the Employee table --

Query:

```
SELECT *
FROM [dbo]. [Employee]
```

Results:

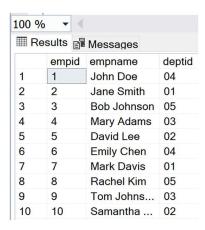
⊞ R	esults 📑	Messages			
	empid	empname	deptid	salary	mgric
1	1	John Doe	04	50000	2
2	2	Jane Smith	01	60000	3
3	3	Bob Johnson	05	70000	4
4	4	Mary Adams	03	80000	5
5	5	David Lee	02	90000	6
6	6	Emily Chen	04	55000	2
7	7	Mark Davis	01	65000	3
8	8	Rachel Kim	05	75000	4
9	9	Tom Johnson	03	85000	5
10	10	Samantha Lee	02	95000	6

-- b. Retrieving all records from the emp table --

Query:

```
SELECT *
FROM [dbo]. [emp]
```

Results:

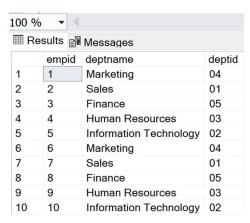


-- c. Retrieving all records from the dept table --

Query:

```
SELECT *
FROM [dbo].[dept]
```

Results:



-- d. Retrieve all columns from the emp table where first name = David --

Query:

```
SELECT *
FROM emp
WHERE empname = 'David Lee';
```

Results:

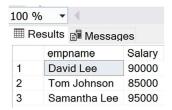


-- e. Retrieving empname and Salary from the Employee table where Salary is greater than \$80,000 --

Query:

```
SELECT empname, Salary
FROM Employee
WHERE Salary > 80000;
```

Results:

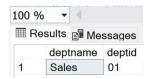


-- f. Finding the deptname of deptid 1 --

Query:

```
SELECT deptname, deptid
FROM dept
WHERE deptid = 1;
```

Results:

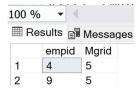


-- g. Selecting all empid's from Employee table where mgrid = 5 --

Query:

```
SELECT empid, Mgrid
FROM Employee
WHERE Mgrid = 5;
```

Results:



-- h. Selecting all empid's from Phone table where employee does not have a phone number --

Query:

```
SELECT empid, phnumber
FROM Phone
WHERE phnumber IS NULL;
```

Results:

