

STEPS

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'SCHEMAS' tree with 'school' selected. The right pane shows the 'Query 1' window with the following SQL script:

```
1 CREATE TABLE Managers(  
2     Manager_Id INT PRIMARY KEY,  
3     First_name VARCHAR(30),  
4     Last_Name VARCHAR(30),  
5     DOB DATE,  
6     Age INTEGER CHECK(Age>=18),  
7     Last_update DATE,  
8     Gender CHAR(1),  
9     Department VARCHAR(50) NOT NULL,  
10    Salary DECIMAL(10,2) NOT NULL  
11 );  
12  
13 # 1) Insert 10 rows.  
14 INSERT INTO Managers values
```

The 'Output' pane at the bottom shows the execution results:

#	Time	Action	Message
1	22:15:10	CREATE TABLE Managers(Manager_Id INT PRIMARY KEY, First_name VARCHAR(...	0 row(s) affected

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'SCHEMAS' tree with 'school' selected. The right pane shows the 'Query 1' window with the following SQL script:

```
15 (1, 'Edd', 'Cullen', '1980-05-15', 44, '2024-08-23', 'M', 'IT', 30000.00),  
16 (2, 'Aaliya', 'Smith', '1978-11-22', 45, '2024-08-23', 'F', 'HR', 25000.00),  
17 (3, 'Ariana', 'Grande', '1990-07-10', 34, '2024-08-23', 'F', 'Finance', 28000.00),  
18 (4, 'Kevin', 'Brown', '1985-03-05', 39, '2024-08-23', 'M', 'Marketing', 32000.00),  
19 (5, 'Harry', 'Potter', '1992-09-15', 31, '2024-08-23', 'M', 'IT', 27000.00),  
20 (6, 'Vinu', 'Wilson', '1983-01-19', 41, '2024-08-23', 'M', 'Sales', 30000.00),  
21 (7, 'June', 'Lee', '1988-02-22', 36, '2024-08-23', 'F', 'HR', 26000.00),  
22 (8, 'David', 'Abraham', '1995-05-07', 29, '2024-08-23', 'M', 'IT', 31000.00),  
23 (9, 'Emma', 'Watson', '1975-12-30', 48, '2024-08-23', 'F', 'Finance', 24000.00),  
24 (10, 'Taylor', 'Swift', '1987-10-12', 36, '2024-08-23', 'M', 'Marketing', 33000.00);  
25  
26 SELECT * FROM Managers;  
27  
28 # 2) Write a query that retrieves the name and date of birth of the manager with Manager Id 1
```

The 'Output' pane at the bottom shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	10:04:00	CREATE TABLE Managers(Manager_Id INT PRIMARY KEY, First_name VARCHAR(...	0 row(s) affected	0.015 sec
2	10:04:15	INSERT INTO Managers values (1, 'Edd', 'Cullen', '1980-05-15', 44, '2024-08-23', 'M', ...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'SCHEMAS' tree with 'school' selected. The right pane shows the 'Query 1' window with the following SQL script:

```
22 (8, 'David', 'Abraham', '1995-05-07', 29, '2024-08-23', 'M', 'IT', 31000.00),  
23 (9, 'Emma', 'Watson', '1975-12-30', 48, '2024-08-23', 'F', 'Finance', 24000.00),  
24 (10, 'Taylor', 'Swift', '1987-10-12', 36, '2024-08-23', 'M', 'Marketing', 33000.00);  
25  
26 SELECT * FROM Managers;  
27
```

The 'Result Grid' pane at the bottom shows the data returned by the query:

Manager_Id	First_name	Last_Name	DOB	Age	Last_update	Gender	Department	Salary
1	Edd	Cullen	1980-05-15	44	2024-08-23	M	IT	30000.00
2	Aaliya	Smith	1978-11-22	45	2024-08-23	F	HR	25000.00
3	Ariana	Grande	1990-07-10	34	2024-08-23	F	Finance	28000.00
4	Kevin	Brown	1985-03-05	39	2024-08-23	M	Marketing	32000.00
5	Harry	Potter	1992-09-15	31	2024-08-23	M	IT	27000.00
6	Vinu	Wilson	1983-01-19	41	2024-08-23	M	Sales	30000.00

The 'Output' pane at the bottom shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	10:04:00	CREATE TABLE Managers(Manager_Id INT PRIMARY KEY, First_name VARCHAR(...	0 row(s) affected	0.015 sec
2	10:04:15	INSERT INTO Managers values (1, 'Edd', 'Cullen', '1980-05-15', 44, '2024-08-23', 'M', ...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
3	10:04:47	SELECT * FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects

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Administration Schemas Information

No object selected

Query 1 SML COMMANDS

28 # 2) Write a query that retrieves the name and date of birth of the manager with Manager_Id 1

29 • SELECT First_name, Last_Name, DOB

30 FROM Managers

31 WHERE Manager_Id = 1;

32

Result Grid Filter Rows: Export: Wrap Cell Contents

	First_name	Last_Name	DOB
▶	Edd	Cullen	1980-05-15

Managers 2 x Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	10:04:00	CREATE TABLE Managers(Manager_Id INT PRIMARY KEY, First_name VARCHAR...	0 row(s) affected	0.015 sec
2	10:04:15	INSERT INTO Managers values (1, 'Edd', 'Cullen', '1980-05-15', 44, '2024-08-23', 'M'...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
3	10:04:47	SELECT * FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000
4	10:05:15	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1 LI...	1 row(s) returned	0.000 sec / 0.000

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Navigator: SCHEMAS Filter objects

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No object selected

Query 1 SML COMMANDS

32

33 # 3) write a query to display the annual income of all managers.

34 • SELECT Manager_Id, First_name, Last_Name,

35 (Salary * 12) AS Annual_Income

36 FROM Managers;

Result Grid Filter Rows: Export: Wrap Cell Contents

Manager_Id	First_name	Last_Name	Annual_Income
▶ 1	Edd	Cullen	360000.00
2	Aaliya	Smith	300000.00
3	Ariana	Grande	336000.00
4	Kevin	Brown	384000.00
5	Harry	Potter	324000.00
6	Vinu	Wilson	360000.00

Result 3 x Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	10:04:00	CREATE TABLE Managers(Manager_Id INT PRIMARY KEY, First_name VARCHAR...	0 row(s) affected	0.015 sec
2	10:04:15	INSERT INTO Managers values (1, 'Edd', 'Cullen', '1980-05-15', 44, '2024-08-23', 'M'...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
3	10:04:47	SELECT * FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000
4	10:05:15	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1 LI...	1 row(s) returned	0.000 sec / 0.000
5	10:05:48	SELECT Manager_Id, First_name, Last_Name, (Salary * 12) AS Annual_Income FRO...	10 row(s) returned	0.000 sec / 0.000

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File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects

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Administration Schemas Information

No object selected

Query 1 SML COMMANDS

36 FROM Managers;

37

38 # 4) Write a query to display records of all managers except 'Aaliya'.

39 • SELECT * FROM Managers

40 WHERE First_name <> 'Aaliya';

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Contents

Manager_Id	First_name	Last_Name	DOB	Age	Last_update	Gender	Department	Salary
▶ 1	Edd	Cullen	1980-05-15	44	2024-08-23	M	IT	30000.00
3	Ariana	Grande	1990-07-10	34	2024-08-23	F	Finance	28000.00
4	Kevin	Brown	1985-03-05	39	2024-08-23	M	Marketing	32000.00
5	Harry	Potter	1992-09-15	31	2024-08-23	M	IT	27000.00
6	Vinu	Wilson	1983-01-19	41	2024-08-23	M	Sales	30000.00
7	June	Lee	1988-02-22	36	2024-08-23	F	HR	26000.00

Managers 4 x Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message
1	10:04:00	CREATE TABLE Managers(Manager_Id INT PRIMARY KEY, First_name VARCHAR...	0 row(s) affected
2	10:04:15	INSERT INTO Managers values (1, 'Edd', 'Cullen', '1980-05-15', 44, '2024-08-23', 'M'...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0
3	10:04:47	SELECT * FROM Managers LIMIT 0, 1000	10 row(s) returned
4	10:05:15	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1 LI...	1 row(s) returned
5	10:05:48	SELECT Manager_Id, First_name, Last_Name, (Salary * 12) AS Annual_Income FRO...	10 row(s) returned
6	10:06:11	SELECT * FROM Managers WHERE First_name <> 'Aaliya' LIMIT 0, 1000	9 row(s) returned

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Administration Schemas

Information

No object selected

Query 1 SQL COMMANDS

```

40 WHERE First_name <> 'Aaliya';
41
42 # 5) Write a query to display details of managers whose department is IT and earns more than 25000
43 • SELECT * FROM Managers
44 WHERE Department = 'IT' AND Salary > 25000;

```

Result Grid

Manager_Id	First_name	Last_Name	DOB	Age	Last_update	Gender	Department	Salary
1	Edd	Cullen	1980-05-15	44	2024-08-23	M	IT	30000.00
5	Harry	Potter	1992-09-15	31	2024-08-23	M	IT	27000.00
8	David	Abraham	1995-05-07	29	2024-08-23	M	IT	31000.00

Managers 5 x

Output

#	Time	Action	Message	Duration / Fetch
2	10:04:15	INSERT INTO Managers values (1, 'Edd', 'Cullen', '1980-05-15', '44', '2024-08-23', 'M', 'IT', '30000.00')	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
3	10:04:47	SELECT * FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0
4	10:05:15	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1	1 row(s) returned	0.000 sec / 0
5	10:05:48	SELECT Manager_Id, First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers	10 row(s) returned	0.000 sec / 0
6	10:06:11	SELECT * FROM Managers WHERE First_name <> 'Aaliya' LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0
7	10:06:40	SELECT * FROM Managers WHERE Department = 'IT' AND Salary > 25000 LIMIT 0, 1000	3 row(s) returned	0.015 sec / 0

Object Info Session

Automatic context help disabled. Use the toolbar manually get help for current caret position or toggle automatic help

File Edit View Query Database Server Tools Scripting Help

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Administration Schemas

Information

No object selected

Query 1 SQL COMMANDS

```

44 WHERE Department = 'IT' AND Salary > 25000;
45
46 # 6) Write a query to display details of managers whose salary is between 10000 and 35000.
47 • SELECT * FROM Managers
48 WHERE Salary BETWEEN 10000 AND 35000;

```

Result Grid

Manager_Id	First_name	Last_Name	DOB	Age	Last_update	Gender	Department	Salary
1	Edd	Cullen	1980-05-15	44	2024-08-23	M	IT	30000.00
2	Aaliya	Smith	1978-11-22	45	2024-08-23	F	HR	25000.00
3	Ariana	Grande	1990-07-10	34	2024-08-23	F	Finance	28000.00
4	Kevin	Brown	1985-03-05	39	2024-08-23	M	Marketing	32000.00
5	Harry	Potter	1992-09-15	31	2024-08-23	M	IT	27000.00
6	Vinu	Wilson	1983-01-19	41	2024-08-23	M	Sales	30000.00

Managers 6 x

Output

#	Time	Action	Message	Duration / Fetch
3	10:04:47	SELECT * FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.00
4	10:05:15	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1	1 row(s) returned	0.000 sec / 0.00
5	10:05:48	SELECT Manager_Id, First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers	10 row(s) returned	0.000 sec / 0.00
6	10:06:11	SELECT * FROM Managers WHERE First_name <> 'Aaliya' LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.00
7	10:06:40	SELECT * FROM Managers WHERE Department = 'IT' AND Salary > 25000 LIMIT 0, 1000	3 row(s) returned	0.015 sec / 0.00
8	10:07:24	SELECT * FROM Managers WHERE Salary BETWEEN 10000 AND 35000 LIMIT 0, 1000	10 row(s) returned	0.015 sec / 0.00

Object Info Session

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