

CREATED TABLE NAME "MANAGERS" WITH THE MENTIONED FIELDS

MySQL Workbench interface showing the creation of the 'MANAGERS' table. The SQL script in the editor is:

```
10 Age INT CHECK (Age >= 18),
11 Last_update TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
12 Gender CHAR(1) CHECK (Gender IN ('M', 'F')),
13 Department VARCHAR(50) NOT NULL,
14 Salary DECIMAL(10, 2) NOT NULL);
15
16 desc managers;
```

The 'Result Grid' shows the table structure:

Field	Type	Null	Key	Default	Extra
Manager_Id	int	NO	PRI		
First_name	varchar(50)	YES			
Last_name	varchar(50)	YES			
DOB	date	YES			
Age	int	YES			
Last_update	timestamp	YES		CURRENT_TIMESTAMP	DEFAULT_GENERATED
Gender	char(1)	YES			
Department	varchar(50)	NO			
Salary	decimal(10,2)	NO			

The 'Output' pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	18:38:23	CREATE TABLE Managers (Manager_Id INT PRIMARY KEY, First_name VARCHAR(50),	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name i...	0.000 sec
2	18:38:26	use sales	0 row(s) affected	0.000 sec
3	18:38:28	CREATE TABLE Managers (Manager_Id INT PRIMARY KEY, First_name VARCHAR(50),	0 row(s) affected	0.031 sec
4	18:38:54	desc managers	9 row(s) returned	0.016 sec / 0.000 sec

INSERTED 10 ROWS TO THE TABLE

MySQL Workbench interface showing the insertion of 10 rows into the 'MANAGERS' table. The SQL script in the editor is:

```
20 INSERT INTO Managers (Manager_Id, First_name, Last_name, DOB, Age, Gender, Department, Salary) VALUES
21 (1, 'Ashok', 'Krish', '1980-01-15', 44, 'M', 'IT', 30000),
22 (2, 'Phillipe', 'David', '1975-06-23', 48, 'M', 'HR', 25000),
23 (3, 'Anaya', 'Kureshi', '1990-05-12', 34, 'F', 'Finance', 20000),
24 (4, 'Alan', 'Sam', '1982-09-30', 41, 'M', 'IT', 35000),
25 (5, 'Riya', 'Davis', '1995-11-11', 28, 'F', 'Marketing', 22000),
26 (6, 'Midhun', 'Thomas', '1978-04-05', 46, 'M', 'Finance', 27000),
27 (7, 'Shakeela', 'Jose', '1985-12-30', 38, 'F', 'IT', 32000),
28 (8, 'Sadanandan', 'Thekkedath', '1989-07-07', 35, 'M', 'HR', 24000),
29 (9, 'Sakeer', 'Hussain', '1983-03-15', 41, 'M', 'Finance', 26000),
30 (10, 'Athira', 'Krishnan', '1992-02-20', 32, 'F', 'Marketing', 23000);
31
```

The 'Result Grid' shows the inserted data:

Manager_Id	First_name	Last_name	DOB	Age	Last_update	Gender	Department	Salary
1	Ashok	Krish	1980-01-15	44	2024-10-15 18:43:03	M	IT	30000.00
2	Phillipe	David	1975-06-23	48	2024-10-15 18:43:03	M	HR	25000.00
3	Anaya	Kureshi	1990-05-12	34	2024-10-15 18:43:03	F	Finance	20000.00
4	Alan	Sam	1982-09-30	41	2024-10-15 18:43:03	M	IT	35000.00
5	Riya	Davis	1995-11-11	28	2024-10-15 18:43:03	F	Marketing	22000.00
6	Midhun	Thomas	1978-04-05	46	2024-10-15 18:43:03	M	Finance	27000.00
7	Shakeela	Jose	1985-12-30	38	2024-10-15 18:43:03	F	IT	32000.00
8	Sadanandan	Thekkedath	1989-07-07	35	2024-10-15 18:43:03	M	HR	24000.00
9	Sakeer	Hussain	1983-03-15	41	2024-10-15 18:43:03	M	Finance	26000.00
10	Athira	Krishnan	1992-02-20	32	2024-10-15 18:43:03	F	Marketing	23000.00

The 'Output' pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	18:38:23	CREATE TABLE Managers (Manager_Id INT PRIMARY KEY, First_name VARCHAR(50),	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name i...	0.000 sec
2	18:38:26	use sales	0 row(s) affected	0.000 sec
3	18:38:28	CREATE TABLE Managers (Manager_Id INT PRIMARY KEY, First_name VARCHAR(50),	0 row(s) affected	0.031 sec
4	18:38:54	desc managers	9 row(s) returned	0.016 sec / 0.000 sec
5	18:43:03	INSERT INTO Managers (Manager_Id, First_name, Last_name, DOB, Age, Gender, Department, Sala...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
6	18:43:18	Select * from managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

CREATED QUERY TO RETRIEVE NAME AND DOB OF MANAGER WITH ID 1

MySQL Workbench interface showing the creation of a table and a query to retrieve manager information.

SQL File 4:

```
25 (9, 'Riya', 'Davis', '1995-11-11', 28, 'F', 'Marketing', 22000),
26 (6, 'Midhun', 'Thomas', '1978-04-05', 46, 'M', 'Finance', 27000),
27 (7, 'Shakeela', 'Jose', '1985-12-30', 38, 'F', 'IT', 32000),
28 (8, 'Sadanandan', 'Thekkedath', '1989-07-07', 35, 'M', 'HR', 24000),
29 (9, 'Sakeer', 'Hussain', '1983-03-15', 41, 'M', 'Finance', 26000),
30 (10, 'Athira', 'Krishnan', '1992-02-20', 32, 'F', 'Marketing', 23000);
31 • Select * from managers;
32
33 -- Query to Retrieve Name and DOB of the Manager with manager_id_1
34
35 • SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1;
```

Result Grid:

First_name	Last_Name	DOB
Ashok	Krish	1980-01-15

Managers 3 x

Action Output:

#	Time	Action	Message	Duration / Fetch
2	18:38:26	use sales	0 row(s) affected	0.000 sec
3	18:38:26	CREATE TABLE Managers (Manager_Id INT PRIMARY KEY, First_name VARCHAR(50), L...	0 row(s) affected	0.031 sec
4	18:38:54	desc managers	9 row(s) returned	0.016 sec / 0.000 sec
5	18:43:03	INSERT INTO Managers (Manager_Id, First_name, Last_Name, DOB, Age, Gender, Department, Sa...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
6	18:43:18	Select * from managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
7	18:44:50	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

CREATED QUERY TO DISPLAY ANNUAL INCOME OF MANAGERS

MySQL Workbench interface showing the creation of a table and a query to retrieve manager information, including annual income.

SQL File 4:

```
29 (9, 'Sakeer', 'Hussain', '1983-03-15', 41, 'M', 'Finance', 26000),
30 (10, 'Athira', 'Krishnan', '1992-02-20', 32, 'F', 'Marketing', 23000);
31 • Select * from managers;
32
33 -- Query to Retrieve Name and DOB of the Manager with manager_id_1
34
35 • SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1;
36
37 -- Query to Display the Annual Income of All Managers ( so need to multiply salary with 12 months)
38
39 • SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers;
```

Result Grid:

First_name	Last_Name	Annual_Income
Ashok	Krish	360000.00
Philippe	David	300000.00
Anaya	Kureshi	240000.00
Alan	Sam	420000.00
Riya	Davis	264000.00
Midhun	Thomas	324000.00
Shakeela	Jose	384000.00
Sadanandan	Thekkedath	288000.00
Sakeer	Hussain	312000.00
Athira	Krishnan	276000.00

Result 5 x

Action Output:

#	Time	Action	Message	Duration / Fetch
4	18:38:54	desc managers	9 row(s) returned	0.016 sec / 0.000 sec
5	18:43:03	INSERT INTO Managers (Manager_Id, First_name, Last_Name, DOB, Age, Gender, Department, Sa...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
6	18:43:18	Select * from managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
7	18:44:50	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
8	18:45:54	SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
9	18:47:13	SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

CREATED QUERY TO DISPLAY RECORD OF MANAGER EXCEPT "ANAYA"

MySQL Workbench

Local instance MySQL80

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SCHEMAS

Filter objects

entr_dd41

sales

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Stored Procedures

Functions

school

sys

SQL File 4*

Assignment - 2 DDL Constraints

SQL File 5*

Limit to 1000 rows

33 -- Query to Retrieve Name and DOB of the Manager with manager_id 1

34

35 • SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1;

36

37 -- Query to Display the Annual Income of All Managers (so need to multiply salary with 12 months)

38

39 • SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers;

40

41 -- Query to Display Records of All Managers Except 'Anaya'

42

43 • SELECT * FROM Managers WHERE First_name != 'Anaya';

44

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Contents

Manager_Id	First_name	Last_Name	DOB	Age	Last_Update	Gender	Department	Salary
1	Ashok	Krish	1980-01-15	44	2024-10-15 18:43:03	M	IT	30000.00
2	Phillpe	David	1975-06-23	48	2024-10-15 18:43:03	M	HR	25000.00
4	Alan	Sam	1982-09-30	41	2024-10-15 18:43:03	M	IT	35000.00
5	Riya	Davis	1995-11-11	28	2024-10-15 18:43:03	F	Marketing	22000.00
6	Madhun	Thomas	1978-04-05	46	2024-10-15 18:43:03	M	Finance	27000.00
7	Shakeela	Jose	1985-12-30	38	2024-10-15 18:43:03	F	IT	32000.00
8	Sadanandan	Thekkedath	1989-07-07	35	2024-10-15 18:43:03	M	HR	24000.00
9	Sakeer	Hussain	1983-03-15	41	2024-10-15 18:43:03	M	Finance	26000.00
10	Athra	Krishnan	1992-02-20	32	2024-10-15 18:43:03	F	Marketing	23000.00

Managers 6 x

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	18:43:03	INSERT INTO Managers (Manager_Id, First_name, Last_Name, DOB, Age, Gender, Department, Sa...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
6	18:43:18	Select * from managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
7	18:44:50	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
8	18:45:54	SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
9	18:47:13	SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
10	18:49:07	SELECT * FROM Managers WHERE First_name != 'Anaya' LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

33°C

Clear

6:49 PM

15/10/2024

CREATED QUERY TO DISPLAY MANAGERS IN IT DEPT. AND SALARY OF 25000 PER MONTH

MySQL Workbench

Local instance MySQL80

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SQL File 4*

Assignment - 2 DDL Constraints

SQL File 5*

Limit to 1000 rows

37 -- Query to Display the Annual Income of All Managers (so need to multiply salary with 12 months)

38

39 • SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers;

40

41 -- Query to Display Records of All Managers Except 'Anaya'

42

43 • SELECT * FROM Managers WHERE First_name != 'Anaya';

44

45 -- Query to Display Details of Managers Whose Department is IT and Earns More Than 25000 per Month

46

47 • SELECT * FROM Managers WHERE Department = 'IT' AND Salary > 25000;

48

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Contents

Manager_Id	First_name	Last_Name	DOB	Age	Last_Update	Gender	Department	Salary
1	Ashok	Krish	1980-01-15	44	2024-10-15 18:43:03	M	IT	30000.00
4	Alan	Sam	1982-09-30	41	2024-10-15 18:43:03	M	IT	35000.00
7	Shakeela	Jose	1985-12-30	38	2024-10-15 18:43:03	F	IT	32000.00

Managers 7 x

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
6	18:43:18	Select * from managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
7	18:44:50	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
8	18:45:54	SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
9	18:47:13	SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
10	18:49:07	SELECT * FROM Managers WHERE First_name != 'Anaya' LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec
11	18:50:14	SELECT * FROM Managers WHERE Department = 'IT' AND Salary > 25000 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

33°C

Clear

6:50 PM

15/10/2024

CREATED QUERY FOR THE MANAGERS WHOSE SALARY IS BETWEEN 10000 TO 35000

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

entri_dd41

sales

Tables

Views

Stored Procedures

Functions

school

sys

SQL File 4* SQL File 4* Assignment - 2 DDL Constraints SQL File 5* x

Limit to 1000 rows

```
41 -- Query to Display Records of All Managers Except 'Anaya'
42
43 • SELECT * FROM Managers WHERE First_name != 'Anaya';
44
45 -- Query to Display Details of Managers Whose Department is IT and Earns More Than 25000 per Month
46
47 • SELECT * FROM Managers WHERE Department = 'IT' AND Salary > 25000;
48
49 -- Query to Display Details of Managers Whose Salary is Between 10000 and 35000
50
51 • SELECT * FROM Managers WHERE Salary BETWEEN 10000 AND 35000;
```

Result Grid

Manager_Id	First_name	Last_Name	DOB	Age	Last_update	Gender	Department	Salary
1	Ashok	Krish	1980-01-15	44	2024-10-15 18:43:03	M	IT	30000.00
2	Philippe	David	1975-06-23	48	2024-10-15 18:43:03	M	HR	25000.00
3	Anaya	Kureshi	1990-05-12	34	2024-10-15 18:43:03	F	Finance	20000.00
4	Alan	Sam	1982-09-30	41	2024-10-15 18:43:03	M	IT	35000.00
5	Riya	Davis	1995-11-11	28	2024-10-15 18:43:03	F	Marketing	22000.00
6	Midhun	Thomas	1978-04-05	46	2024-10-15 18:43:03	M	Finance	27000.00
7	Shakeela	Jose	1985-12-30	38	2024-10-15 18:43:03	F	IT	32000.00
8	Sadanandan	Thelkethadath	1989-07-07	35	2024-10-15 18:43:03	M	HR	24000.00
9	Sakeer	Hussain	1983-03-15	41	2024-10-15 18:43:03	M	Finance	26000.00
10	Athira	Krishnan	1992-02-20	32	2024-10-15 18:43:03	F	Marketing	23000.00

Managers 8 x

Output

#	Time	Action	Message	Duration / Fetch
7	18:44:50	SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
8	18:45:54	SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
9	18:47:13	SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
10	18:49:07	SELECT * FROM Managers WHERE First_name != 'Anaya' LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec
11	18:50:14	SELECT * FROM Managers WHERE Department = 'IT' AND Salary > 25000 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
12	18:50:50	SELECT * FROM Managers WHERE Salary BETWEEN 10000 AND 35000 LIMIT 0, 1000	10 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

33°C Clear

6:50 PM 15/10/2024