

Create a table named Managers with fields : Manager_Id First_name Last_Name, DOB ,Age ->Use check constraint Last_update Gender Department Salary -> NOT NULL

1. Insert 10 rows.
2. Write a query that retrieves the name and date of birth of the manager with Manager_Id 1.
3. Write a query to display the annual income of all managers.
4. Write a query to display records of all managers except 'Aaliya'.
5. Write a query to display details of managers whose department is IT and earns more than 25000 per month.
6. Write a query to display details of managers whose salary is between 10000 and 35000.

USE EMPLOYEE;

37 • USE employee; #SPECIFY WHICH DATABASE TO BE USED FOR THE SUBSEQUENT ACTIVITY			
Output			
Action Output			
#	Time	Action	Message
✓ 1	23:23:13	USE employee	0 row(s) affected

CREATE TABLE MANAGERS

Create table Managers

```
(Manager_ID Varchar (10) UNIQUE,  
First_Name Varchar (30) NOT NULL,  
Last_Name Varchar(30) NOT NULL,  
DOB date, Age int, Gender varchar(10) NOT NULL , CHECK (Gender='Male' or  
Gender ='Female' or Gender = 'Transgender'),  
Department varchar(15) NOT NULL, CHECK( Department = 'IT' or Department =  
'FINANCE' OR Department = 'HR'),  
Salary int NOT NULL, CHECK (Salary>=10000 AND Salary <=100000),  
primary key (Manager_ID));
```

```
38 # CREATING THE TABLE WITH THE CONSTRAINTS  
39 • Create table Managers  
40 (Manager_ID Varchar (10) UNIQUE,  
41 First_Name Varchar (30) NOT NULL,  
42 Last_Name Varchar(30) NOT NULL,  
43 DOB date,  
44 Age int,  
45 Gender varchar(10) NOT NULL , CHECK (Gender='Male' or Gender = 'Female' or Gender = 'Transgender'),  
46 Department varchar(15) NOT NULL, CHECK( Department = 'IT' or Department = 'FINANCE' OR Department = 'HR'),  
47 Salary int NOT NULL, CHECK (Salary>=10000 AND Salary <=100000),  
48 primary key (Manager_ID));  
49  
50  
51 • select * from managers;  
52 • drop table managers;
```

Output			
Action Output			
#	Time	Action	Message
✓ 1	00:51:37	Create table Managers (Manager_ID Varchar (10) UNIQUE, First_Name Varchar (30) NOT NULL, Last_Na...	0 row(s) affected

INSERTED THE SINGLE ROW INTO THE TABLE WHICH SATIFIES ALL THE CONDITIONS OF THE CONSTRAINTS

INSERT INTO managers

(Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)

VALUES

('IT012345','RAJU','Unni','19750125','49','Male','IT','35000');

15

•

INSERT INTO managers

16

(Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)

17

VALUES

18

('IT012345','RAJU','Unni','19750125','49','Male','IT','35000');

Output

Action Output

#	Time	Action	Message
✓ 1	10:03:47	INSERT INTO managers (Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)	... 1 row(s) affected

INSERTED ANOTHER ROW INTO THE TABLE WITHOUT CHANGING THE Manager_ID,the new record has inserted into the table since the primarykey condition has not satisfied with the same Manager_id.

```
INSERT INTO managers
(Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)
VALUES
('IT012345','Manu','Narayan','19850125','39','Male','IT','40000');
```

15	•	INSERT INTO managers	
16		(Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)	
17		VALUES	
18		('IT012345','Manu','Narayan','19850125','39','Male','IT','40000');	

Output			
Action Output			
#	Time	Action	Message
✓ 1	10:03:47	INSERT INTO managers (Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)	... 1 row(s) affected
✗ 2	10:15:52	INSERT INTO managers (Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)	... Error Code: 1062. Duplicate entry 'IT012345' for key 'managers.PRIMARY'

/* INSERTED ANOTHER ROW INTO THE TABLE CHANGING THE Manager_ID and all other fields except DOB & Age for which the value has not passed to the table. However the record has inserted successfully to the table since the constraints NOT NULL was not applied to these two fields*/

INSERT INTO managers
(Manager_ID,First_Name,Last_Name,Gender, Department,Salary)
VALUES
('IT012347','Anu','Narayan','Female','IT','45000');

29	⊖	/* INSERTED ANOTHER ROW INTO THE TABLE CHANGING THE Manager_ID and all other fields except
30		DOB & Age for which the value has not passed to the table. However the record has inserted
31		successfully to the table since the constraints NOT NULL was not applied to these two fields*/
32	•	INSERT INTO managers
33		(Manager_ID,First_Name,Last_Name,Gender, Department,Salary)
34		VALUES
35		('IT012347','Anu','Narayan','Female','IT','45000');

Output

Action Output

#	Time	Action	Message
✓ 1	10:51:32	INSERT INTO managers (Manager_ID,First_Name,Last_Name,Gender, Department,Salary)	VALUES ... 1 row(s) affected

/* INSERTED ANOTHER ROW INTO THE TABLE CHANGING THE Manager_ID and all other fields. The value passed to the field 'department' as 'Man'. The row has not inserted into the table since the Check value has not met*/

```
INSERT INTO managers
(Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)
VALUES
('IT012348','Tony','Thomas','19800502','44','Man','IT','50000');
```

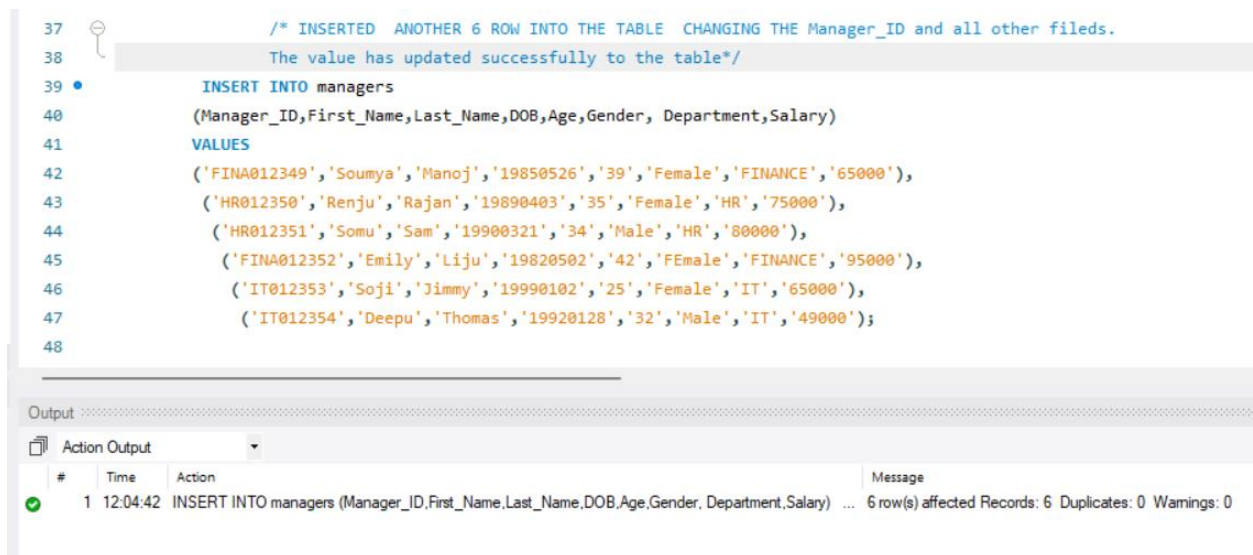
```
37      /* INSERTED ANOTHER ROW INTO THE TABLE CHANGING THE Manager_ID and all other fields.
38      The value passed to the field 'department' as 'Man'. The row has not inserted into the
39      table since the Check value has not met*/
40
41      INSERT INTO managers
42      (Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)
43      VALUES
44      ('IT012348','Tony','Thomas','19800502','44','Man','IT','50000');
```

Output

#	Time	Action	Message
✓ 1	10:51:32	INSERT INTO managers (Manager_ID,First_Name,Last_Name,Gender, Department,Salary) VAL...	1 row(s) affected
✓ 2	11:01:38	select * from managers LIMIT 0, 1000	3 row(s) returned
✓ 3	11:15:54	select * from managers LIMIT 0, 1000	3 row(s) returned
✗ 4	11:28:43	INSERT INTO managers (Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary) ...	Error Code: 3819. Check constraint 'managers_chk_1' is violated.

/* INSERTED ANOTHER 6 ROW INTO THE TABLE CHANGING THE Manager_ID and all other fields. The value has updated successfully to the table*/

```
INSERT INTO managers
(Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)
VALUES
('FINA012349','Soumya','Manoj','19850526','39','Female','FINANCE','65000'),
('HR012350','Renju','Rajan','19890403','35','Female','HR','75000'),
('HR012351','Somu','Sam','19900321','34','Male','HR','80000'),
('FINA012352','Emily','Liju','19820502','42','Female','FINANCE','95000'),
('IT012353','Soji','Jimmy','19990102','25','Female','IT','65000'),
('IT012354','Deepu','Thomas','19920128','32','Male','IT','49000');
```



The screenshot displays a database IDE interface. The top section shows a SQL script with line numbers 37 to 48. Line 37 contains a comment: `/* INSERTED ANOTHER 6 ROW INTO THE TABLE CHANGING THE Manager_ID and all other fields.` Line 38 continues the comment: `The value has updated successfully to the table*/`. Lines 39 to 48 contain the SQL `INSERT INTO` statement for the `managers` table, listing six new records with their respective IDs, names, last names, DOBs, ages, genders, departments, and salaries. The bottom section of the IDE shows the 'Output' pane with a dropdown menu set to 'Action Output'. Below this, a table displays the execution results: a green checkmark in the first column, the number '1' in the second column, the time '12:04:42' in the third column, the action 'INSERT INTO managers (Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)' in the fourth column, and a message '6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0' in the fifth column.

```
37      /* INSERTED ANOTHER 6 ROW INTO THE TABLE CHANGING THE Manager_ID and all other fields.
```

```
38      The value has updated successfully to the table*/
```

```
39      INSERT INTO managers
```

```
40      (Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)
```

```
41      VALUES
```

```
42      ('FINA012349','Soumya','Manoj','19850526','39','Female','FINANCE','65000'),
```

```
43      ('HR012350','Renju','Rajan','19890403','35','Female','HR','75000'),
```

```
44      ('HR012351','Somu','Sam','19900321','34','Male','HR','80000'),
```

```
45      ('FINA012352','Emily','Liju','19820502','42','Female','FINANCE','95000'),
```

```
46      ('IT012353','Soji','Jimmy','19990102','25','Female','IT','65000'),
```

```
47      ('IT012354','Deepu','Thomas','19920128','32','Male','IT','49000');
```

```
48
```

Output

Action Output

#	Time	Action	Message
✓ 1	12:04:42	INSERT INTO managers (Manager_ID,First_Name,Last_Name,DOB,Age,Gender, Department,Salary)	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0

/*Query to retrieve the names and date of birth of the manager with manager id */

**SELECT Manager_id,
CONCAT (First_name, Last_name) as Name,
DOB from Managers;**

```
49      /*Query to retrieve the names and date of birth of the manager with manager id */
50      SELECT Manager_id,
51      CONCAT (First_name, Last_name) as Name,
52      DOB
53      from Managers;
54
```

Result Grid | | Filter Rows: | Export: | Wrap Cell Content:

	Manager_id	Name	DOB
▶	FINA012349	SoumyaManoj	1985-05-26
	FINA012352	EmilyLiju	1982-05-02
	HR012350	RenjuRajan	1989-04-03
	HR012351	SomuSam	1990-03-21
	IT012345	RAJUUnni	1975-01-25
	IT012346	ManuNarayan	1985-01-25
	IT012347	AnuNarayan	NULL
	IT012348	TonyThomas	1980-05-02
	IT012353	SojiJimmy	1999-01-02
	IT012354	DeepuThomas	1992-01-28

Result 5 x

Output

Action Output

#	Time	Action	Message
✓ 1	12:44:06	SELECT Manager_id, CONCAT (First_name, Last_name) as Name, DOB from Managers LI...	10 row(s) returned

/*Write a query to display records of all managers except 'SOUMYA'*/

**SELECT * FROM MANAGERS
WHERE
FIRST_NAME NOT LIKE 'SOUMYA%'**

```
55      /*Write a query to display records of all managers except 'SOUMYA'*/
56 •    SELECT * FROM MANAGERS
57      WHERE FIRST_NAME NOT LIKE 'SOUMYA%'
```

Manager_ID	First_Name	Last_Name	DOB	Age	Gender	Department	Salary
FINA012352	Emily	Liju	1982-05-02	42	FEmale	FINANCE	95000
HR012350	Renju	Rajan	1989-04-03	35	Female	HR	75000
HR012351	Somu	Sam	1990-03-21	34	Male	HR	80000
IT012345	RAJU	Unni	1975-01-25	49	Male	IT	35000
IT012346	Manu	Narayan	1985-01-25	39	Male	IT	40000
IT012347	Anu	Narayan	NULL	NULL	Female	IT	45000
IT012348	Tony	Thomas	1980-05-02	44	Male	IT	50000
IT012353	Soji	Jimmy	1999-01-02	25	Female	IT	65000
IT012354	Deepu	Thomas	1992-01-28	32	Male	IT	49000
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

MANAGERS 7 x

Output

Action Output

#	Time	Action	Message
✓ 1	13:01:31	SELECT * FROM MANAGERS WHERE FIRST_NAME NOT LIKE 'SOUMYA%' LIMIT 0, 1000	9 row(s) returned

/* Write a query to display details of managers whose department is IT and earns more than 25000 per month.*/

```
SELECT * FROM MANAGERS
WHERE DEPARTMENT LIKE 'IT%'
AND SALARY >'25000';
```

59 /* Write a query to display details of managers whose department is IT and earns more than 25000 per month.*/

60 SELECT * FROM MANAGERS

61 WHERE DEPARTMENT LIKE 'IT%'

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: [IA](#)

Manager_ID	First_Name	Last_Name	DOB	Age	Gender	Department	Salary
IT012345	RAJU	Unni	1975-01-25	49	Male	IT	35000
IT012346	Manu	Narayan	1985-01-25	39	Male	IT	40000
IT012347	Anu	Narayan	NULL	NULL	Female	IT	45000
IT012348	Tony	Thomas	1980-05-02	44	Male	IT	50000
IT012353	Soji	Jimmy	1999-01-02	25	Female	IT	65000
IT012354	Deepu	Thomas	1992-01-28	32	Male	IT	49000
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

MANAGERS 11 x [Apply](#)

Output

Action Output

#	Time	Action	Message
1	14:12:46	SELECT * FROM MANAGERS WHERE DEPARTMENT LIKE 'IT%' AND SALARY >'250...	6 row(s) returned

/*Write a query to display details of managers whose salary is between 10000 and 35000.*/

```
SELECT * FROM MANAGERS
WHERE SALARY BETWEEN '10000'AND '35000';
```

```
64      /*Write a query to display details of managers whose salary is between 10000 and 35000.*/
65      SELECT * FROM MANAGERS
66      WHERE SALARY BETWEEN '10000'AND '35000';
```

Result Grid		Filter Rows:		Edit:		Export/Import:		Wrap Cell Content:	
Manager_ID	First_Name	Last_Name	DOB	Age	Gender	Department	Salary		
IT012345	RAJU	Unni	1975-01-25	49	Male	IT	35000		
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL		

MANAGERS 16 x

Output

Action Output

#	Time	Action	Message
✓ 1	14:22:51	SELECT * FROM MANAGERS WHERE SALARY BETWEEN '10000'AND '35000' LIMIT 0, 1000	1 row(s) returned