

ASSESSMENT 4

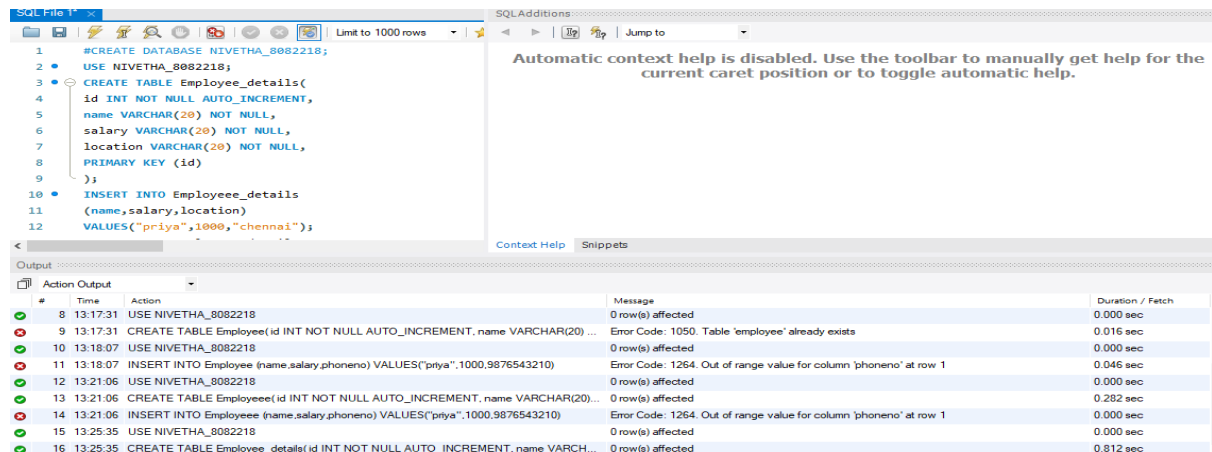
SQL

1. CREATING DATABASE AND TABLE

DATABASE NAME: NIVETHA_8082218

TABLE NAME: Employee_details

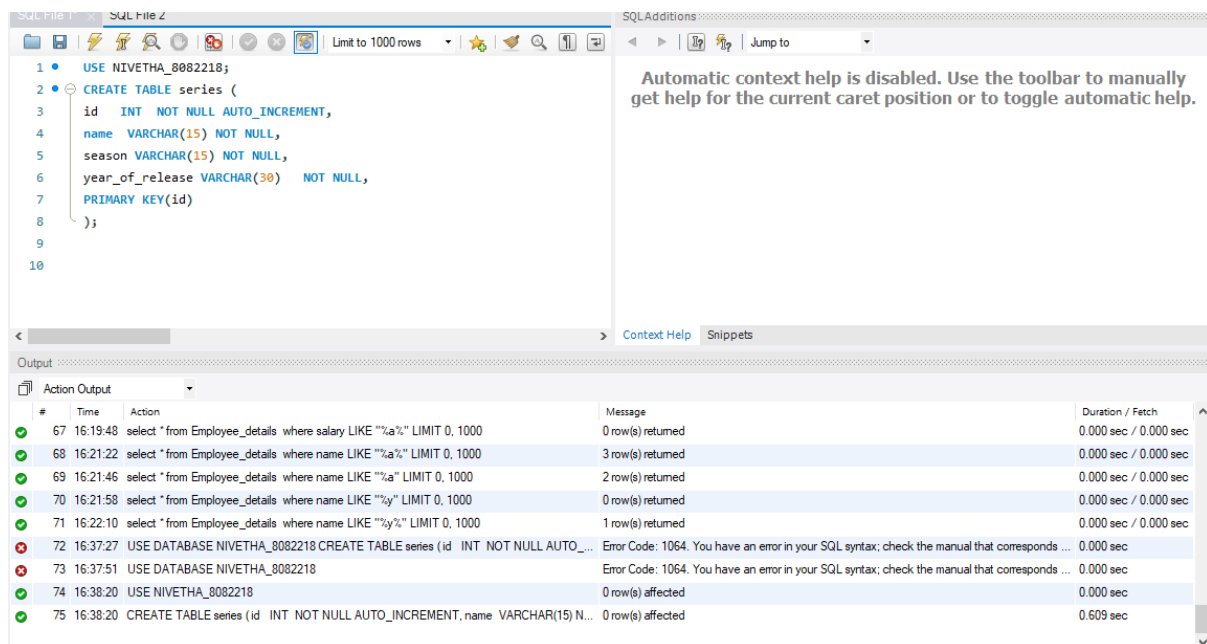
TABLE NAME 2: series



```
1 #CREATE DATABASE NIVETHA_8082218;
2 USE NIVETHA_8082218;
3 CREATE TABLE Employee_details(
4   id INT NOT NULL AUTO_INCREMENT,
5   name VARCHAR(20) NOT NULL,
6   salary VARCHAR(20) NOT NULL,
7   location VARCHAR(20) NOT NULL,
8   PRIMARY KEY (id)
9 );
10 INSERT INTO Employee_details
11 (name,salary,location)
12 VALUES("priya",1000,"chennai");
```

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

#	Time	Action	Message	Duration / Fetch
8	13:17:31	USE NIVETHA_8082218	0 row(s) affected	0.000 sec
9	13:17:31	CREATE TABLE Employee(id INT NOT NULL AUTO_INCREMENT, name VARCHAR(20) ...	Error Code: 1050. Table 'employee' already exists	0.016 sec
10	13:18:07	USE NIVETHA_8082218	0 row(s) affected	0.000 sec
11	13:18:07	INSERT INTO Employee (name,salary,phoneno) VALUES("priya",1000,9876543210)	Error Code: 1264. Out of range value for column 'phoneno' at row 1	0.046 sec
12	13:21:06	USE NIVETHA_8082218	0 row(s) affected	0.000 sec
13	13:21:06	CREATE TABLE Employeee(id INT NOT NULL AUTO_INCREMENT, name VARCHAR(20) ...	0 row(s) affected	0.282 sec
14	13:21:06	INSERT INTO Employeee (name,salary,phoneno) VALUES("priya",1000,9876543210)	Error Code: 1264. Out of range value for column 'phoneno' at row 1	0.000 sec
15	13:25:35	USE NIVETHA_8082218	0 row(s) affected	0.000 sec
16	13:25:35	CREATE TABLE Employee_details(id INT NOT NULL AUTO_INCREMENT, name VARCH...	0 row(s) affected	0.812 sec

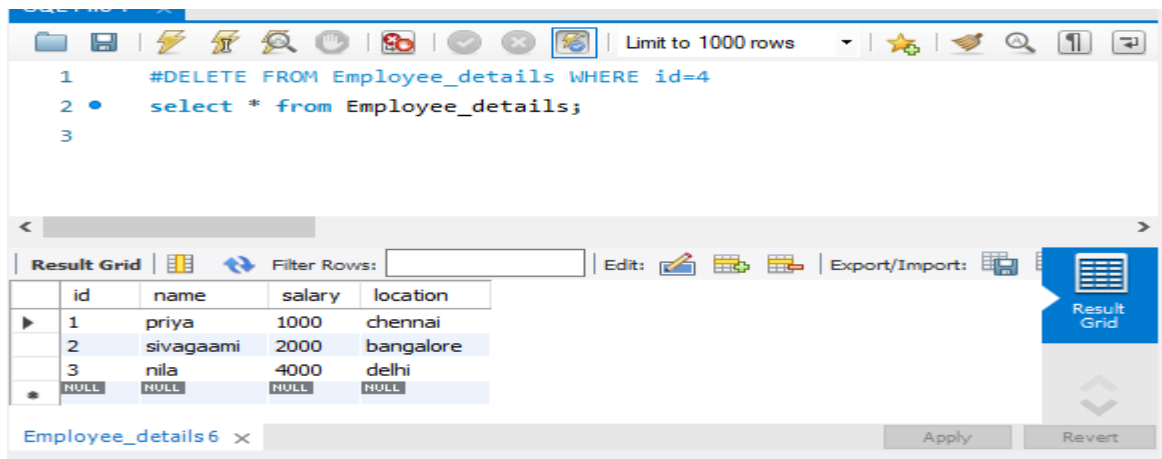


```
1 USE NIVETHA_8082218;
2 CREATE TABLE series (
3   id INT NOT NULL AUTO_INCREMENT,
4   name VARCHAR(15) NOT NULL,
5   season VARCHAR(15) NOT NULL,
6   year_of_release VARCHAR(30) NOT NULL,
7   PRIMARY KEY(id)
8 );
9
10
```

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

#	Time	Action	Message	Duration / Fetch
67	16:19:48	select * from Employee_details where salary LIKE "%a%" LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
68	16:21:22	select * from Employee_details where name LIKE "%a%" LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
69	16:21:46	select * from Employee_details where name LIKE "%a" LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
70	16:21:58	select * from Employee_details where name LIKE "%y%" LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
71	16:22:10	select * from Employee_details where name LIKE "%y%" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
72	16:37:27	USE DATABASE NIVETHA_8082218 CREATE TABLE series (id INT NOT NULL AUTO_...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.000 sec
73	16:37:51	USE DATABASE NIVETHA_8082218	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.000 sec
74	16:38:20	USE NIVETHA_8082218	0 row(s) affected	0.000 sec
75	16:38:20	CREATE TABLE series (id INT NOT NULL AUTO_INCREMENT, name VARCHAR(15) N...	0 row(s) affected	0.609 sec

2.DISPLAY THE RECORDS:



SQL File 1

```
1 #DELETE FROM Employee_details WHERE id=4
2 • select * from Employee_details;
3
```

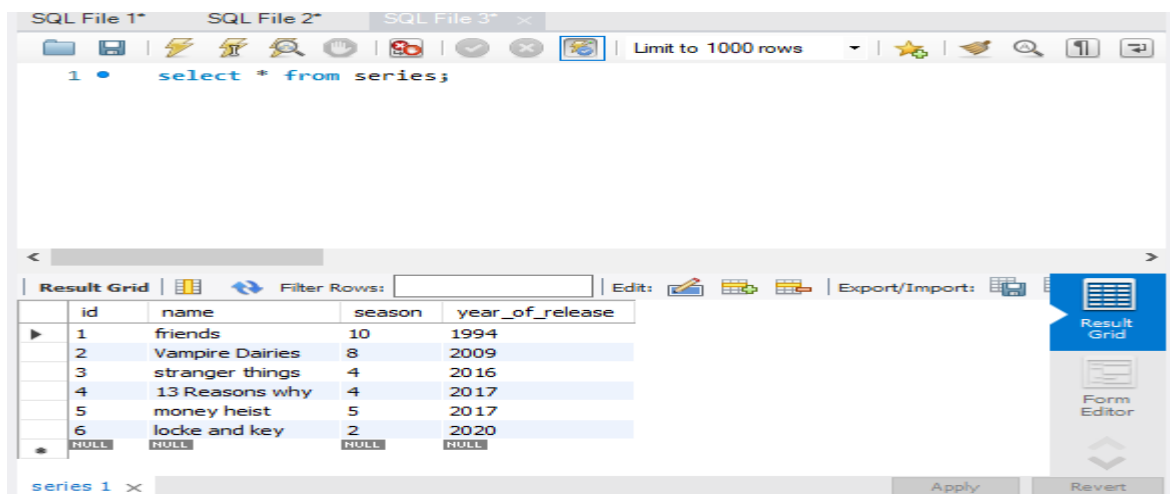
Limit to 1000 rows

Result Grid

	id	name	salary	location
▶	1	priya	1000	chennai
	2	sivagaami	2000	bangalore
	3	nila	4000	delhi
•	NULL	NULL	NULL	NULL

Employee_details 6 x

Apply Revert



SQL File 1

```
1 • select * from series;
```

Limit to 1000 rows

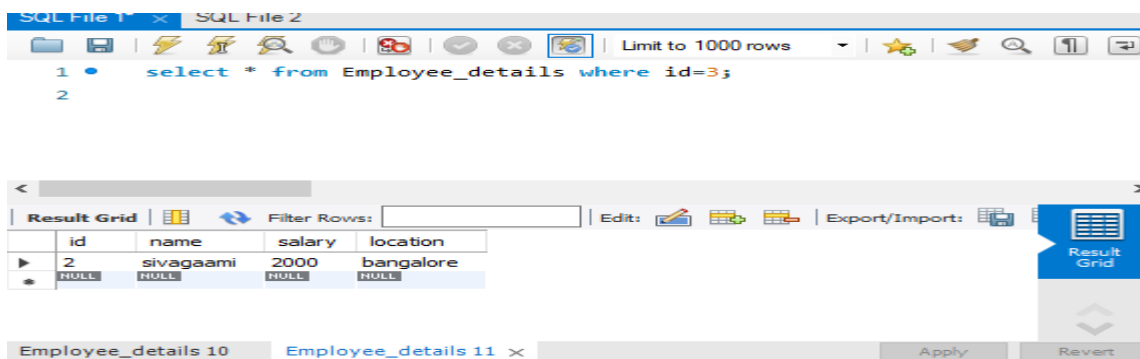
Result Grid

	id	name	season	year_of_release
▶	1	friends	10	1994
	2	Vampire Dairies	8	2009
	3	stranger things	4	2016
	4	13 Reasons why	4	2017
	5	money heist	5	2017
	6	locke and key	2	2020
•	NULL	NULL	NULL	NULL

series 1 x

Apply Revert

3.WHERE CLAUSE:



SQL File 2

```
1 • select * from Employee_details where id=3;
2
```

Limit to 1000 rows

Result Grid

	id	name	salary	location
▶	2	sivagaami	2000	bangalore
•	NULL	NULL	NULL	NULL

Employee_details 10 Employee_details 11 x

Apply Revert

SQL File 1* x SQL File 2

Limit to 1000 rows

```
1 • select * from Employee_details where salary>1000 or location='bangalore'
2
```

Result Grid

	id	name	salary	location
▶	2	sivagaami	2000	bangalore
	3	nila	4000	delhi
•	NULL	NULL	NULL	NULL

SQL File 1* x SQL File 2

Limit to 1000 rows

```
1 • select * from Employee_details where name LIKE "%y%";
2
```

Result Grid

	id	name	salary	location
▶	1	priya	1000	chennai
•	NULL	NULL	NULL	NULL

Employee_details 20 x Apply Revert

SQL File 1* x SQL File 2

Limit to 1000 rows

```
1 • select * from Employee_details where salary>1000;
2
```

Result Grid

	id	name	salary	location
▶	2	sivagaami	2000	bangalore
	3	nila	4000	delhi
•	NULL	NULL	NULL	NULL

4.UPDATE:

SQL File 1 x SQL File 2 x SQL File 3 x SQL File 4 x

Limit to 1000 rows

```
1 • UPDATE series
2   SET season = 3
3   WHERE name = "locke and key"
4   AND id = 6;
5 • select * from series;
6
```

Result Grid

	id	name	season	year_of_release
▶	1	friends	10	1994
	2	Vampire Dairies	8	2009
	3	stranger things	4	2016
	4	13 Reasons why	4	2017
	5	money heist	5	2017
	6	locke and key	3	2020
•	NULL	NULL	NULL	NULL

Form Editor

5.GROUP BY,ORDER BY,HAVING CLAUSE

SQL File 5

```
1 • SELECT COUNT(id),name
2 FROM series
3 GROUP BY season
4 HAVING COUNT(id) > 0
5 ORDER BY COUNT(id) DESC;
```

Result Grid

	COUNT(id)	name
▶	2	stranger things
	1	friends
	1	Vampire Dairies
	1	money heist
	1	locke and key

Result 9 x Read Only

6.JOINS

INNER JOIN

SQL File 5

```
1 • SELECT Employee_details.id, series.name
2 FROM Employee_details
3 INNER JOIN series ON Employee_details.id = series.id;
4
```

Result Grid

	id	name
▶	1	friends
	2	Vampire Dairies
	3	stranger things

LEFT JOIN

SQL File 6

```
1 • SELECT Employee_details.id, series.name
2 FROM Employee_details
3 LEFT JOIN series ON Employee_details.id = series.id
4 ORDER BY series.name;
```

Result Grid

	id	name
▶	1	friends
	3	stranger things
	2	Vampire Dairies

Result 5 x Read Only

RIGHT JOIN

The screenshot shows a SQL IDE interface with multiple tabs labeled 'SQL File 2' through 'SQL File 7'. The active tab 'SQL File 6' contains the following SQL query:

```
1 • SELECT Employee_details.id, series.name
2 FROM Employee_details
3 RIGHT JOIN series ON Employee_details.id = series.id
4 ORDER BY series.name;
```

Below the query editor, the 'Result Grid' tab is active, displaying the query results in a table. The table has two columns: 'id' and 'name'. The results are as follows:

id	name
NULL	13 Reasons why
1	friends
NULL	locke and key
NULL	money heist
3	stranger things
2	Vampire Dairies

On the right side of the interface, there are buttons for 'Result Grid' (highlighted in blue), 'Form Editor', and a 'Read Only' status indicator at the bottom right.