Lab Report

Only for course Teacher						
		Needs Improvement	Developing	Sufficient	Above Average	Total Mark
Allocate mark & Percentage		25%	50%	75%	100%	5
Clarity	1					
Content Quality	2					
Spelling & Grammar	1					
Organization and Formatting	1					
					Total obtained mark	
Comments						

Semester: Spring 2025

Student Name: Md Rasheduzzaman Riad

Student ID: 232-35-402

Batch: 41H　　　　　　**Section: H2**

Course Code: SE 224　　　　　**Course Name: Database Systems lab**
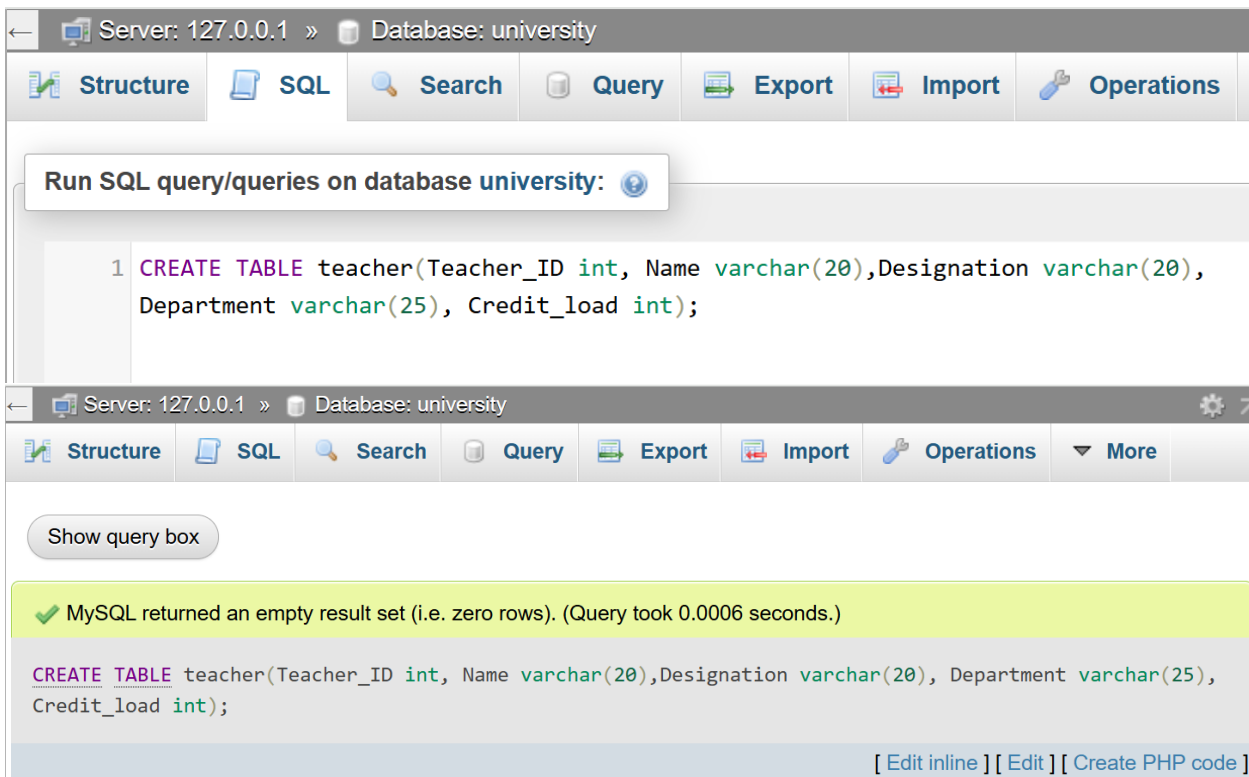
Course Teacher Name: Md. Ashikur Rahman

Designation:

Submission Date: 28/01/2025

1. Create a teacher Table in university database.

2. The schema is (Teacher_ID int , Name varchar ,Designation varchar, Departnebt varchar ,Credit_load int):

   Command: CREATE TABLE teacher(Teacher_Id int, Name varchar(32), Designation varchar(32) ,Department varchar(32),Credit_load int) ;

3. Insert 20 random value in the teacher table :

The following command:
INSERT INTO teacher
VALUES
(1000201, 'Md. Ashikur Rahman', 'Lecturer','Software', 14),
(1000202, 'Saykot Shariar', 'Lecturer','Software', 16),
(1000203, 'Rayhan Rabby', 'Lecturer','Software', 15),
(1000204, 'Rajib mia', 'Professor','Software', 15),
(1000205, 'Nadia sultana', 'Senior Lectural','Software', 18),
(1000206, 'Maliha Mokless', 'Lecturer','Software', 14),
(1000207, 'Maliha sultana', 'Lecturer','Software', 14),

(1000208, 'Bibash', 'Lecturer','Software', 14),
(1000209, 'Nafij', 'Lecturer','Software', 14),
(1000210, 'Munna', 'Lecturer','Tourism', 14),
(1000211, 'Lizon', 'Lecturer','Software', 14),
(1000212, 'Alif', 'Lecturer','Software', 12),
(1000213, 'Hasib', 'Lecturer','Tourism', 14),
(1000214, 'Sihab', 'Lecturer','Software', 14),
(1000215, 'Rifat', 'Lecturer','CSE', 14),
(1000216, 'Emon', 'Lecturer','Software', 14),
(1000217, 'Lina', 'Lecturer','Software', 14),
(1000218, 'Shawon', 'Lecturer','Software', 14),
(1000219, 'Yousuf', 'Lecturer','Software', 14),
(1000220, 'Sadia', 'Lecturer','Software', 14);

Server: 127.0.0.1 » Database: university » Table: teacher

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | ▼ More

Run SQL query/queries on table university.teacher: ❓

```
1  INSERT INTO teacher
2  VALUES
3  (1000201, 'Md. Ashikur Rahman', 'Lecturer','Software', 14),
4  (1000202, 'Saykot Shariar', 'Lecturer','Software', 16),
5  (1000203, 'Rayhan Rabby', 'Lecturer','Software', 15),
6  (1000204, 'Rajib mia', 'Professor','Software', 15),
7  (1000205, 'Nadia sultana', 'Senior Lectural','Software', 18),
8  (1000206, 'Maliha Mokless', 'Lecturer','Software', 14),
9  (1000207, 'Maliha sultana', 'Lecturer','Software', 14),
10 (1000208, 'Bibash', 'Lecturer','Software', 14),
11 (1000209, 'Nafij', 'Lecturer','Software', 14),
12 (1000210, 'Munna', 'Lecturer','Tourism', 14),
13 (1000211, 'Lizon', 'Lecturer','Software', 14),
14 (1000212, 'Alif', 'Lecturer','Software', 12),
15 (1000213, 'Hasib', 'Lecturer','Tourism', 14),
```

Teacher_ID
Name
Designation
Department
Credit_load

Server: 127.0.0.1 » Database: university » Table: teacher

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | ▼ More

Show query box

✔ 20 rows inserted. (Query took 0.0004 seconds.)

INSERT INTO teacher VALUES (1000201, 'Md. Ashikur Rahman', 'Lecturer','Software', 14), (1000202, 'Saykot Shariar', 'Lecturer','Software', 16), (1000203, 'Rayhan Rabby', 'Lecturer','Software', 15), (1000204, 'Rajib mia', 'Professor','Software', 15), (1000205, 'Nadia sultana', 'Senior Lectural','Software', 18), (1000206, 'Maliha Mokless', 'Lecturer','Software', 14), (1000207, 'Maliha sultana', 'Lecturer','Software', 14), (1000208, 'Bibash', 'Lecturer','Software', 14), (1000209, 'Nafij', 'Lecturer','Software', 14), (1000210, 'Munna', 'Lecturer','Tourism', 14), (1000211, 'Lizon', 'Lecturer','Software', 14), (1000212, 'Alif',

[Edit]

| Browse | Structure | SQL | Search | Insert | Export |

Teacher_ID	Name	Designation	Department	Credit_load
1000201	Md. Ashikur Rahman	Lecturer	Software	14
1000202	Saykot Shariar	Lecturer	Software	16
1000203	Rayhan Rabby	Lecturer	Software	15
1000204	Rajib mia	Professor	Software	15
1000205	Nadia sultana	Senior Lectural	Software	18
1000206	Maliha Mokless	Lecturer	Software	14
1000207	Maliha sultana	Lecturer	Software	14
1000208	Bibash	Lecturer	Software	14
1000209	Nafij	Lecturer	Software	14
1000210	Munna	Lecturer	Tourism	14
1000211	Lizon	Lecturer	Software	14
1000212	Alif	Lecturer	Software	12
1000213	Hasib	Lecturer	Tourism	14
1000214	Sihab	Lecturer	Software	14
1000215	Rifat	Lecturer	CSE	14
1000216	Emon	Lecturer	Software	14
1000217	Lina	Lecturer	Software	14
1000218	Shawon	Lecturer	Software	14

Console

4. Add All student address:

Command : UPDATE students SET Address = 'Mirpur' WHERE Address IS NULL;

🔳 Browse	🏗 Structure	📜 SQL	🔍 Search	⇥ Insert	📤 Export

Run SQL query/queries on table university.student: ②

```
1  UPDATE student SET Address = 'Mirpur' WHERE Address IS NULL;
2
```

Student_ID	Student_Name	Mobile_NO	CGPA	Due	Address
101	Riad	01892857879	3.75	500	Mirpur
102	Sudipto	01892857879	3.89	200	Mirpur
103	Badhon	01892857879	3.45	0	Mirpur
105	Fahim	01892857879	3.25	150	Mirpur
106	Utsho	01892857879	3.60	1000	Mirpur
110	Mim	01892857879	3.90	0	Mirpur
111	Jenny	01892857879	3.50	250	Mirpur
112	Moon	01892857879	3.78	800	Mirpur
116	Minahajul	01892857879	3.95	0	Mirpur
117	Tanjim	01892857879	3.55	700	Mirpur
118	Wasim	01892857879	3.80	300	Mirpur
119	Arafat	01892857879	3.20	600	Mirpur
125	Abrar	01892857879	3.30	900	Mirpur
126	Bitu	01892857879	3.92	50	Mirpur
127	Nafij	01892857879	3.70	350	Mirpur
128	Hasib	01892857879	3.85	100	Mirpur
129	Lizon	01892857879	3.40	450	Mirpur
130	Nayem	01892857879	3.88	400	Mirpur
132	Eva	01892857879	3.65	0	Mirpur

5. Sorting the student table based on the CGPA: The following code:

SELECT * FROM student ORDER BY CGPA DESC;

Browse | Structure | SQL | Search

Run SQL query/queries on table university.student:

```
1  SELECT * FROM student ORDER BY CGPA ASC;
```

Student_ID	Student_Name	Mobile_NO	CGPA ▲ 1	Due	Address
119	Arafat	01892857879	3.20	600	Mirpur
105	Fahim	01892857879	3.25	150	Mirpur
125	Abrar	01892857879	3.30	900	Mirpur
129	Lizon	01892857879	3.40	450	Mirpur
103	Badhon	01892857879	3.45	0	Mirpur
111	Jenny	01892857879	3.50	250	Mirpur
117	Tanjim	01892857879	3.55	700	Mirpur
106	Utsho	01892857879	3.60	1000	Mirpur
132	Eva	01892857879	3.65	0	Mirpur
127	Nafij	01892857879	3.70	350	Mirpur
101	Riad	01892857879	3.75	500	Mirpur
112	Moon	01892857879	3.78	800	Mirpur
118	Wasim	01892857879	3.80	300	Mirpur
128	Hasib	01892857879	3.85	100	Mirpur
130	Nayem	01892857879	3.88	400	Mirpur
102	Sudipto	01892857879	3.89	200	Mirpur
110	Mim	01892857879	3.90	0	Mirpur
126	Bitu	01892857879	3.92	50	Mirpur
116	Minahajul	01892857879	3.95	0	Mirpur
231	Munna	01892857879	3.99	0	Mirpur

6.
SELECT AVG(Credit_load) FROM teacher;

Server: 127.0.0.1 » Database: university » Tab

Browse | **Structure** | **SQL** | **Search**

Run SQL query/queries on table university.teacher:

```
1 SELECT AVG(Credit_load) FROM teacher;
```

Extra options

AVG(Credit_load)

14.3000

7.

SELECT AVG(due) FROM student;

Server: 127.0.0.1 » Database: university » Ta

Browse | **Structure** | **SQL** | **Search**

Run SQL query/queries on table university.student:

```
1 SELECT AVG(due) FROM student;
```

Extra options

AVG(due)

337.5000