

Lab Assignment -2 (DDL and DML)

Abdullah Jamal 2018UCP1712 B - 3,4

1. Create a table named Employee (Emp_id int, First_name varchar(20), Last_name varchar(20), Email varchar(20), Address varchar(50), City varchar(15)) with no primary key. Insert 10 rows of data in the Employee table.

CREATE TABLE Employee(Emp_id int, First_name varchar(20), Last_name varchar(20), Email varchar(20), Address varchar(50), City varchar(15));

INSERT INTO Employee VALUES(1, 'Abdullah', 'Jamal', '2018ucp1712@mnit.ac.in', '59, mehnat nagar', 'Jaipur'),

(2, 'gaurav', 'saini', 'gaurav@gmail.com', '34, faridabad', 'Delhi'),

(3, 'manav', 'shah', 'mshah12@gmail.com', '60ft road, mmnit', 'Allahabad'),

(4, 'Vladimir', 'kirov', 'kkriov99@gmail.com', '45 lane, Nuclear colony', 'Moscow'),

(5, 'aditya', 'kumawat', 'akumawat11@gmail.com', '2nd lane, railway colony', 'Sikar'),

(6, 'Shamal', 'Shiekh', '2018ucp1712@mnit.ac.in', '21 ,hostel 2, NITW', 'Warangal'),

(7, 'Adnan', 'Khan', '2018ucp1813@mnit.ac.in', '34, daryaganj', 'Delhi'),

(8, 'manav', 'shetty', 'm.shetty@gmail.com', '36, hostel 2, NITW', 'Warangal'),

(9, 'yuri', 'ilyev', 'y.ilyev@gmail.com', '98,4th lane, chandni chowk', 'Delhi'),

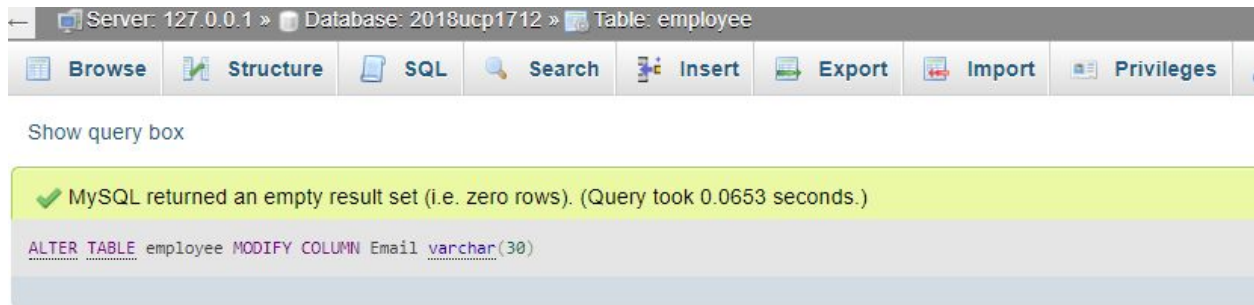
(10, 'Palash', 'Wani', 'p.wani99@gmail.com', '34, king street', 'Mumbai');

The screenshot shows a MySQL database interface with the following details:

- Server:** 127.0.0.1 » **Database:** 2018ucp1712
- Navigation Bar:** Structure, SQL, Search, Query, Export, Import, Operations, Privileges, Routines, Events, More.
- Show query box:** A text area for entering SQL queries.
- Execution Results:**
 - Message 1:** MySQL returned an empty result set (i.e. zero rows). (Query took 0.2732 seconds.)
 - SQL Command:** `CREATE TABLE Employee(Emp_id int, First_name varchar(20), Last_name varchar(20), Email varchar(20), Address varchar(50), City varchar(15));`
 - Message 2:** 10 rows inserted. (Query took 0.0554 seconds.)
 - SQL Command:** `INSERT INTO Employee VALUES(1, 'Abdullah', 'Jamal', '2018ucp1712@mnit.ac.in', '59, mehnat nagar', 'Jaipur'), (2, 'gaurav', 'saini', 'gaurav@gmail.com', '34, faridabad', 'Delhi'), (3, 'manav', 'shah', 'mshah12@gmail.com', '60ft road, mmnit', 'Allahabad'), (4, 'khabib', 'kirov', 'kkriov99@gmail.com', '45 lane, govt colony', 'Moscow'), (5, 'aditya', 'kumawat', 'akumawat11@gmail.com', '2nd lane, railway colony', 'Sikar'), (6, 'Shamal', 'Shiekh', '2018ucp1712@mnit.ac.in', '21 ,hostel 2, NITW', 'Warangal'), (7, 'Adnan', 'Khan', '2018ucp1813@mnit.ac.in', '34, daryaganj', 'Delhi'), (8, 'manav', 'shetty', 'm.shetty@gmail.com', '36, hostel 2, NITW', 'Warangal'), (9, 'yuri', 'ilyev', 'y.ilyev@gmail.com', '98,4th lane, chandni chowk', 'Delhi'), (10, 'P[...]`

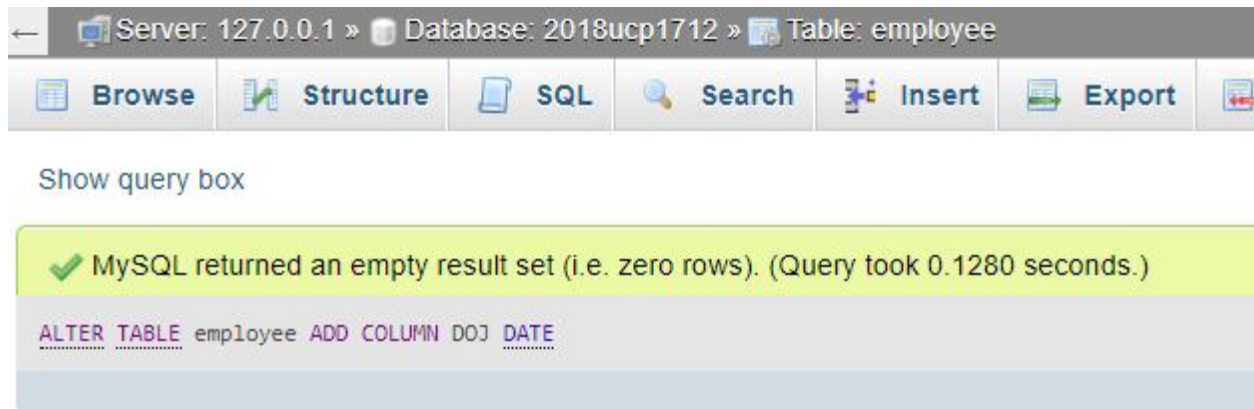
2. WAQ to change "Email" column from varchar(20) to varchar(30).

ALTER TABLE employee MODIFY COLUMN Email varchar(30);



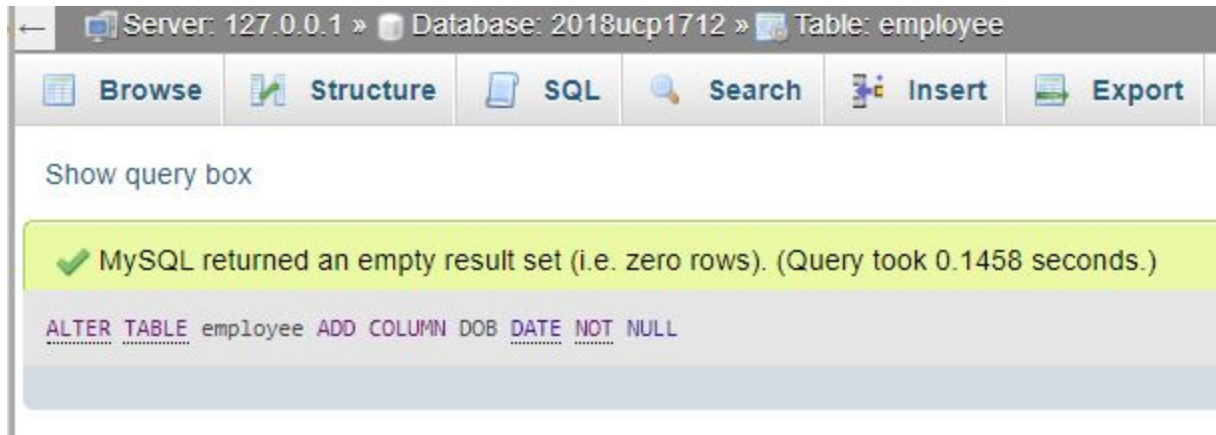
3. WAQ to add a new column "DOJ" in the Employee table which stores the date on which the employee joined the company. DOJ column should allow NULL values.

ALTER TABLE employee ADD COLUMN DOJ DATE;



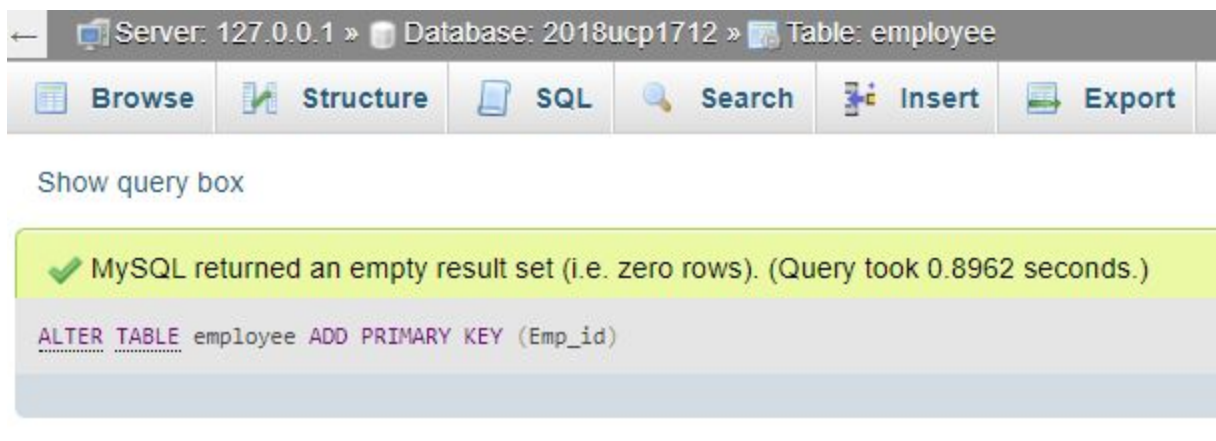
4. WAQ to add a new column "DOB" in the Employee table which stores the date of birth of the employee. DOB column should not allow NULL values.

ALTER TABLE employee ADD COLUMN DOB DATE NOT NULL;



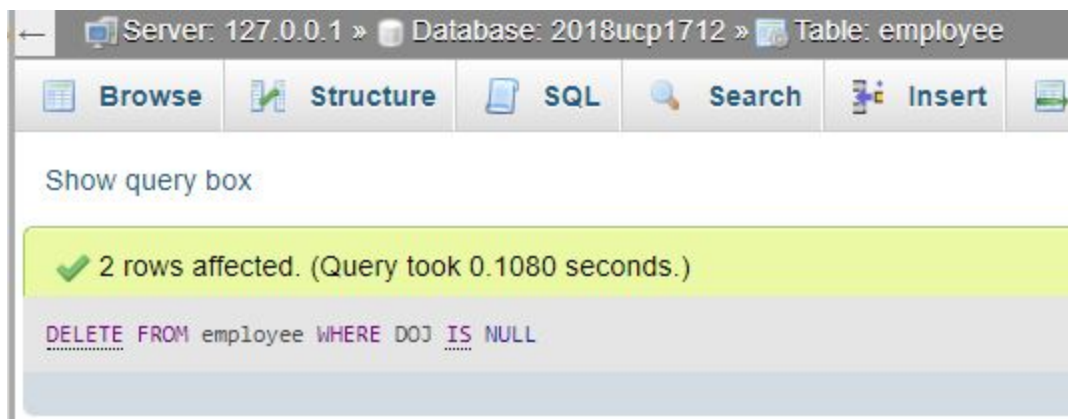
5. WAQ to make the "Emp_id" column as the primary key in the Employee table.

ALTER TABLE employee ADD PRIMARY KEY (Emp_id);



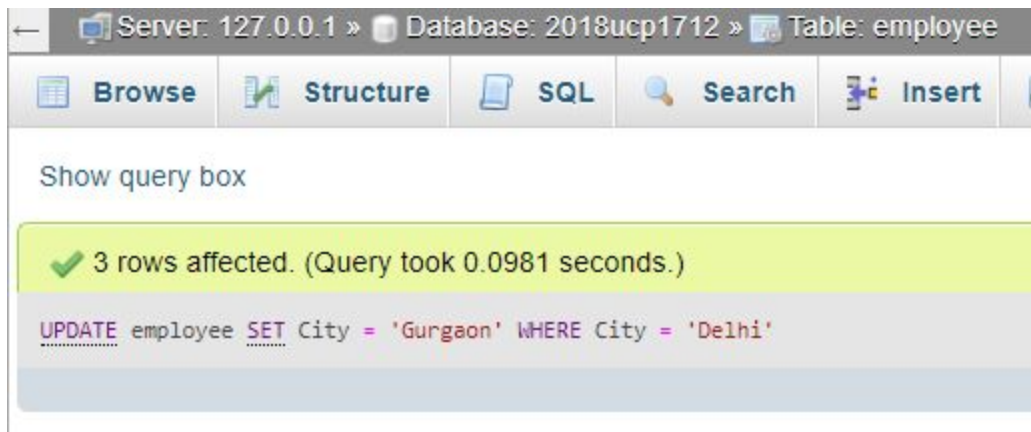
6. WAQ to delete Employees who do not have a joining date. (i.e. joining date is null).

DELETE FROM Employee WHERE DOJ IS NULL;



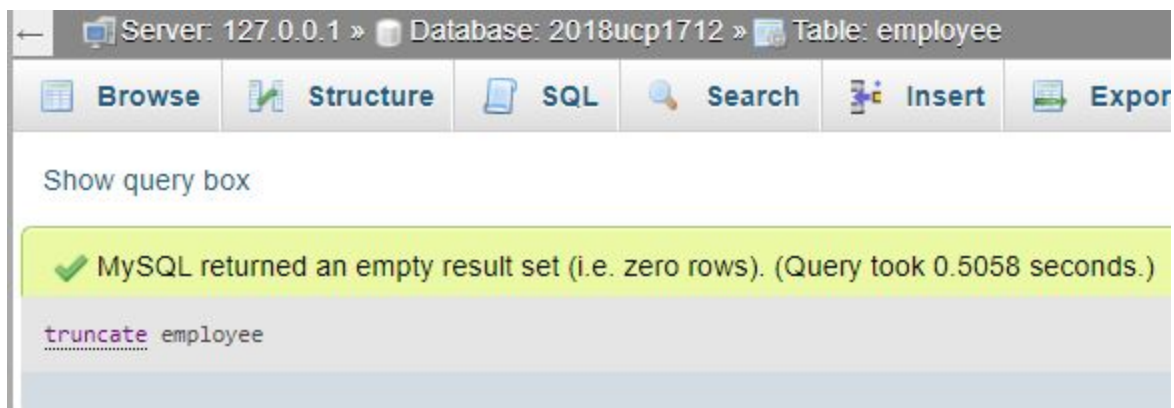
7. WAQ to update all records where the city is "Delhi" to city "Gurgaon".

UPDATE employee SET City = 'Gurgaon' WHERE City = 'Delhi';



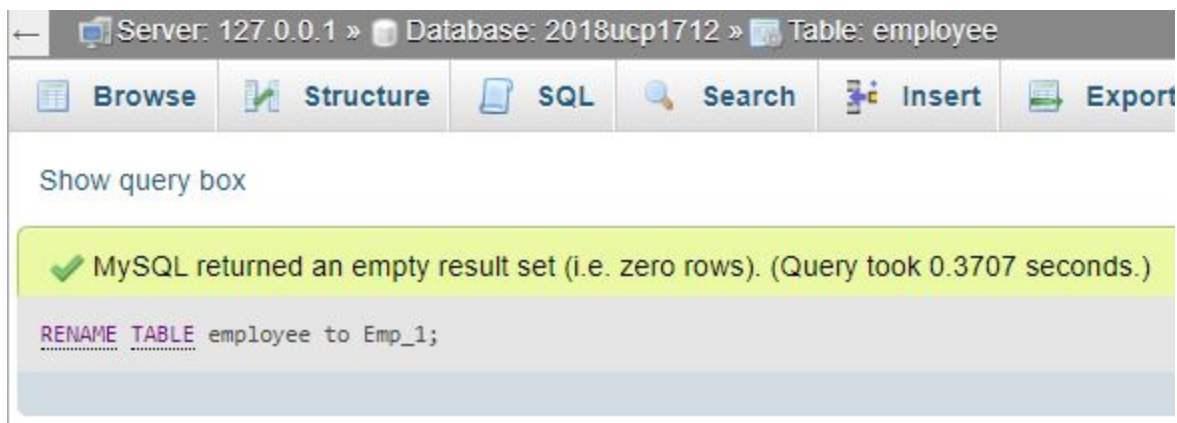
8. WAQ to remove all records from the table.

truncate employee;



9. WAQ to rename Employee table to Emp_1.

RENAME TABLE employee to Emp_1;



10. Insert new records in the Emp_1 table. Then WAQ to completely delete Emp_1 table (i.e. delete data as well as structure of table from the database).

```
INSERT INTO Emp_1 VALUES( 1, 'Abdullah', 'Jamal', '2018ucp1712@mnit.ac.in', '59, mehnat nagar', 'Jaipur', '2020-09-03', '2000-04-24'),
```

```
( 2, 'gaurav', 'saini', 'gaurav@gmail.com', '34, faridabad', 'Delhi', '2020-09-01', '2000-04-24'),
```

```
( 3, 'manav', 'shah', 'mshah12@gmail.com', '60ft road, mmnit', 'Allahabad', '2020-09-24', '2000-04-24'),
```

```
( 4, 'Vladimir', 'kirov', 'kkriov99@gmail.com', '45 lane, Nuclear colony', 'Moscow', '2020-09-13', '1992-04-24'),
```

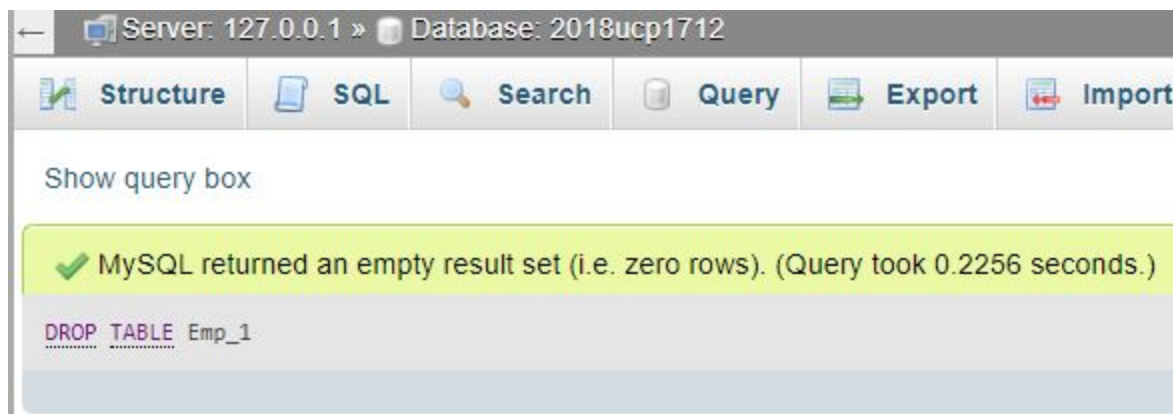
```
( 5, 'aditya', 'kumawat', 'akumawat11@gmail.com', '2nd lane, railway colony', 'Sikar', '2020-09-22', '2000-04-24'),
```

```
( 6, 'Shamal', 'Shiekh', '2018ucp1712@mnit.ac.in', '21 ,hostel 2, NITW', 'Warangal', '2020-09-21', '1999-04-24'),
```

```
( 7, 'Adnan', 'Khan', '2018ucp1813@mnit.ac.in', '34, daryaganj', 'Delhi', '2020-09-13', '1999-04-14');
```



DROP TABLE Emp_1;



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