Big Data Tools for Managers

Dept. of MBA, Siddaganga Institute of Technology-Tumkur

Below is the employee dataset; this exercise makes you familiar with update and delete statement from Data Manipulation Language(DML).

ID	NAME	Age	City	state	country
1	John Todd	35	Mumbai	*NULL*	*NULL*
2	Paul S	Twenty Six	Tumkuru	*NULL*	*NULL*
3	Dominic Dom	40	Pune	*NULL*	*NULL*
4	Rajat	32	Bangalore	*NULL*	*NULL*
5	Shruti	28	Gandhinagar	*NULL*	*NULL*
6	Tom	30	Patna	*NULL*	*NULL*

Download customer dataset from below link:

Link 1: https://raw.githubusercontent.com/sitmbadept/sitmbadept.github.io/2022/BDTM/SQL/employee-update.sql

OR

Link 2 : https://drive.google.com/file/d/18K8l0ELAU_1dH04YWkvLdFohRm2PbtDD

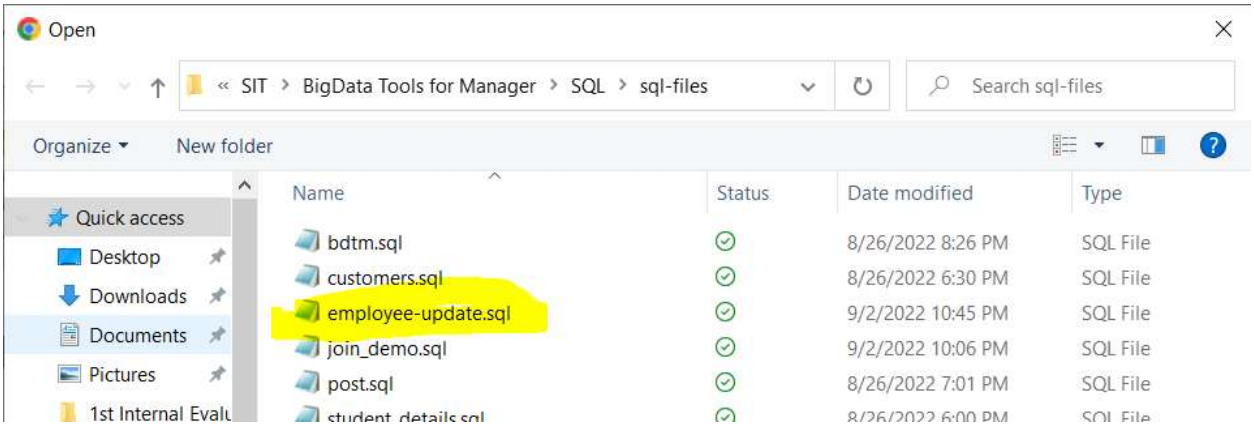
Write SQL Code for following Statements.

1. Import employee data into MySQL
2. Display all the records from employee table
3. Update Age with appropriate numbers for Employee ID : 2 / Employee Name : Paul S
4. Display all the records after updating Age
5. Update State name as per city
6. Display all the records after updating State
7. Update country name as India for all the employee
8. Display all the records after updating Country
9. Delete employee who all are from Karnataka
10. Display all the records after deleting Karnataka employee
11. Delete all the employee records
12. Display all the records after deleting all the records

1. Import dataset

Option -1

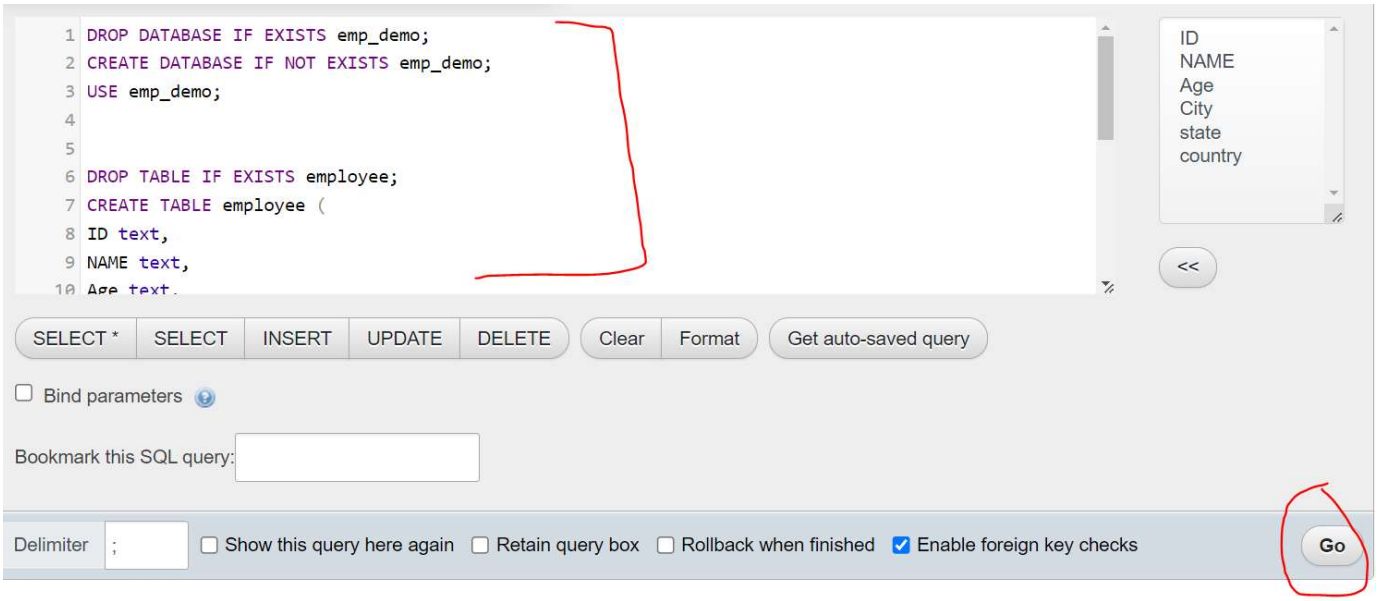
Import data using Navigation Bar



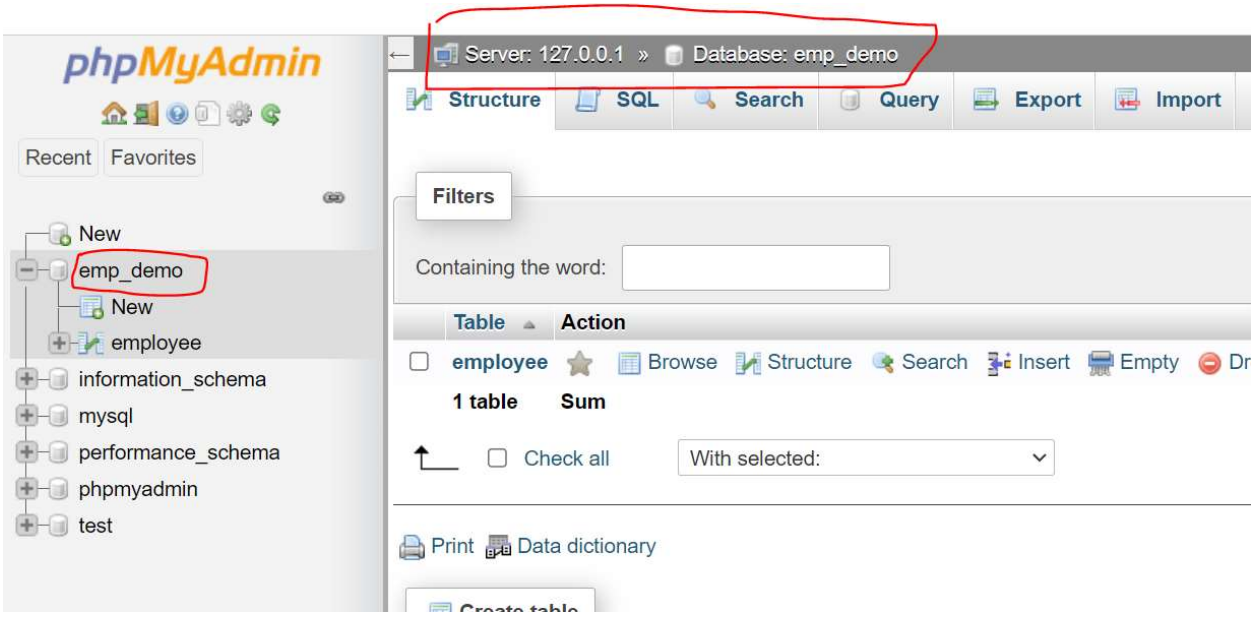
Click on Open after selecting employee-update.sql file

Option-2:

Copy the SQL code from above given link and paste in SQL window.

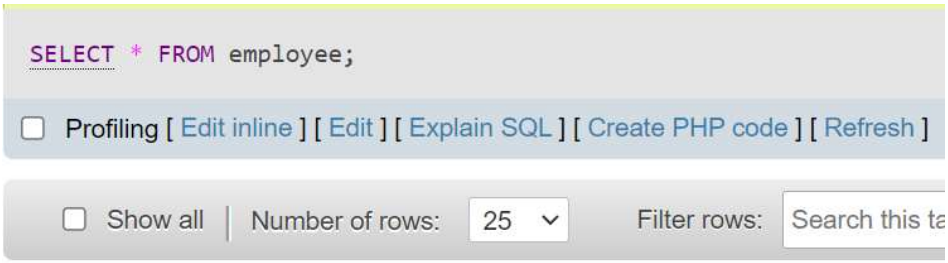


After importing database, select emp_demo database in phpmyadmin



2. Display all the records from employee table

SELECT * FROM employee;



+ Options

ID	NAME	Age	City	state	country
1	John Todd	35	Mumbai	*NULL*	*NULL*
2	Paul S	Twenty Six	Tumkuru	*NULL*	*NULL*
3	Dominic Dom	40	Pune	*NULL*	*NULL*
4	Rajat	32	Bangalore	*NULL*	*NULL*
5	Shruti	28	Gandhinagar	*NULL*	*NULL*
6	Tom	30	Patna	*NULL*	*NULL*

3. Update Age with appropriate numbers for Employee ID : 2 / Employee Name : Paul S

UPDATE employee SET Age=26 WHERE ID=2;

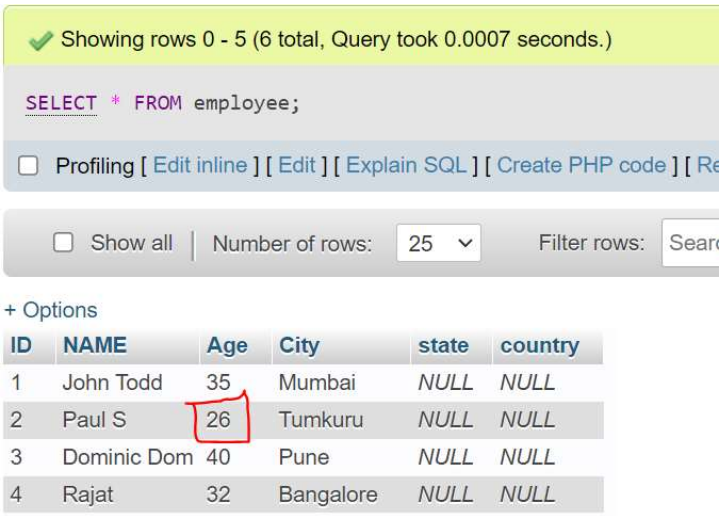
OR

UPDATE employee SET Age=26 WHERE NAME='Paul S';

Query result will show number of records got affected with new value.

4. Display all the records after updating Age

SELECT * FROM employee;



ID	NAME	Age	City	state	country
1	John Todd	35	Mumbai	*NULL*	*NULL*
2	Paul S	26	Tumkuru	*NULL*	*NULL*
3	Dominic Dom	40	Pune	*NULL*	*NULL*
4	Rajat	32	Bangalore	*NULL*	*NULL*

5. Update State name as per city

UPDATE employee SET STATE = 'Karnataka' WHERE CITY IN ('Tumkuru','Bangalore');
UPDATE employee SET STATE = 'Maharashtra' WHERE CITY IN ('Pune','Mumbai');
UPDATE employee SET STATE = 'Bihar' WHERE CITY = 'Patna';
UPDATE employee SET STATE = 'Gujarat' WHERE CITY = 'Gandhinagar';

6. Display all the records after updating State

SELECT * FROM employee;

```
SELECT * FROM employee;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Creat

Show all | Number of rows: 25

+ Options

ID	NAME	Age	City	state
1	John Todd	35	Mumbai	Maharashtra
2	Paul S	26	Tumkuru	Karnataka
3	Dominic Dom	40	Pune	Maharashtra
4	Rajat	32	Bangalore	Karnataka
5	Shruti	28	Gandhinagar	Gujarat
6	Tom	30	Patna	Bihar

7. Update country name as India for all the employee

UPDATE employee SET country='India';

6 rows affected. (Query took 0.0074 seconds.)

```
UPDATE employee SET country='India';
```

[Edit inline] [Edit] [Create PHP code]

8. Display all the records after updating Country

SELECT * FROM employee;

Showing rows 0 - 5 (6 total, Query took 0.0006 seconds.)

```
SELECT * FROM employee;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code]

Show all | Number of rows: 25 Filter rows:

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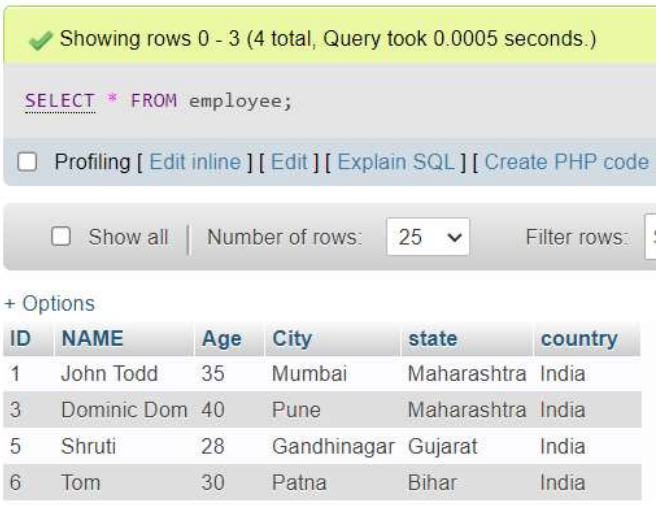
ID	NAME	Age	City	state	country
1	John Todd	35	Mumbai	Maharashtra	India
2	Paul S	26	Tumkuru	Karnataka	India
3	Dominic Dom	40	Pune	Maharashtra	India
4	Rajat	32	Bangalore	Karnataka	India
5	Shruti	28	Gandhinagar	Gujarat	India
6	Tom	30	Patna	Bihar	India

9. Delete employee who all are from Karnataka

DELETE FROM employee WHERE state='Karnataka';

10. Display all the records after deleting Karnataka employee

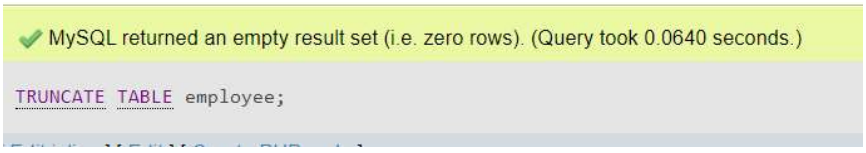
SELECT * FROM employee;



ID	NAME	Age	City	state	country
1	John Todd	35	Mumbai	Maharashtra	India
3	Dominic Dom	40	Pune	Maharashtra	India
5	Shruti	28	Gandhinagar	Gujarat	India
6	Tom	30	Patna	Bihar	India

11. Delete all the employee records

TRUNCATE TABLE employee;



12. Display all the records after deleting all the records

SELECT * FROM employee;