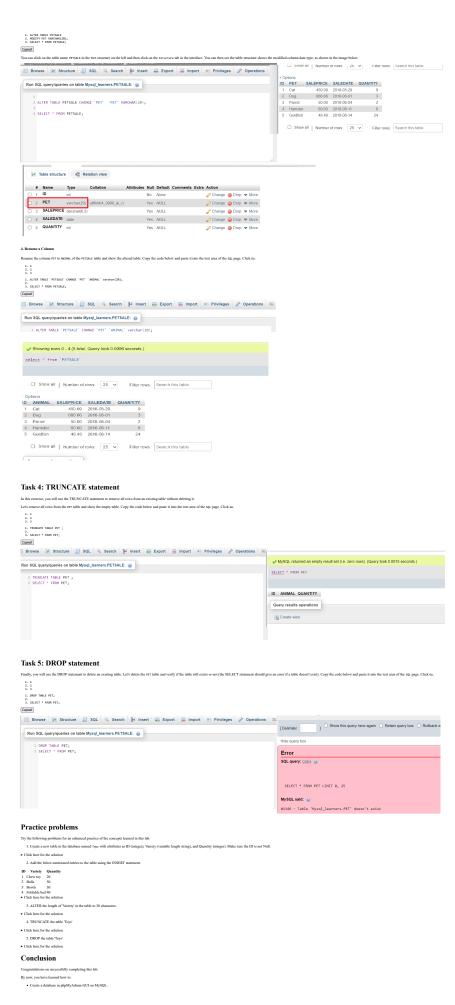
## Hands-on Lab: CREATE, ALTER, TRUNCATE, DROP Estimated time needed: 20 minutes Software Used in this Lab In this lab, you will use MySOL, MySOL is a Relational Database Management System (RDBMS) designed to efficiently store, manipulate, and retrieve data MySQL. To complete this lab, you will use MySQL relational database service available as part of IBM Skills Network Labs (SN Labs) Cloud IDE. SN Labs is a virtual lab environment used in this course Objectives Create a database. Create a new table in a database. Add, delete, or modify columns in an existing table. Remove all rows from an existing table without deleting the table itself. Delete an existing table in a database. Task 1: Create a database Follow the steps below to create a new database in the phpMyAdmin GUI of MyS 1. Click on Skills Network Toolbox. In the Database section, click MySQL. To start the MySOL, click Start. MySQL ACTIVE Your database and phpMyAdmin server are now ready to use and available details on how to navigate MySQL, please check out the Details section. ct with the database in the terminal, select one of these options $\leftarrow$ $\rightarrow$ $\mathbf{C}$ $\triangleq$ sandipsahajo-8080.theiadocker-27.proxy.cognitiveclass.ai phpMyAdmin | 📵 Databases 📔 SQL 🤱 Status 🖭 User accounts 🚃 Export 🕞 Import 🥟 Settings 📑 Binary log 📱 Replication 😥 Variables 🔳 Charsets 📵 Engines 🐞 P Recent Favorites Server: mysql via TCP/IP Server connection collation: utf8mb4\_unicode\_ci information\_schema Server type: MySQL More settings mysql Server connection: SSL is not being used - performance\_schema Server version: 8.0.22 - MySQL Community Server - GPL sakila Protocol version: 10 sys User: root@172.18.0.2 Server charset: UTF-8 Unicode (utf8mb4) English English Theme: pmahomme ✓ · Apache/2.4.38 (Debian) Database client version: libmysql - mysqlnd 7.4.15 PHP extension: mysqli ourl mbstring o • PHP version: 7.4.15 Version information: 5.0.4, latest stable version: 5.1.0 Documentation Official Homepage Contribute Get support · List of changes License Datahases 🗟 Create database 🔞 Mysql\_Learners utf8\_general\_ci v Create Task 2a: CREATE statement Now, you will use the CREATE statement to create two new tables. Follow the instructions to complete this task. 1. You need to create two tables. PETSALE and PET. To create the two tables, conv the code below and mate it into the text area of the SQL tab. Click Go.

1 of 4 6/4/2024, 9:21 AM

```
phpMyAdmin = (Serve myak335) | Bilddese Myak Leanes
                                                                                        🖟 Structure 🔝 SQL 🔍 Search 🕟 Query 🚍 Export 🖫 Import 🥕 Operations 💌 Privileges 🔞 Routines
                                                                                             Show query box
                                                                                     CREATE TABLE PET ( ID INTEGER NOT NULL, ANIMAL VARCHAR(28), QUANTITY INTEGER
 Task 2b: INSERT statement
 Now, insert some records into the two newly created tables. You can also add SELECT statements to print the contents of the tables once they are loaded with data.
 6. (5, w....
7. INSERT INTO PET VALUES
9. (1, 'Cat', 3), 10. (2, 'Dog', 4), 11. (3, 'Hamster', 2); 12. (3, 'ELECT * FROM PETSALE; 14. SELECT * FROM PET;
Copied!
Task 3: ALTER statement
 In this exercise, you will use the ALTER statement to add, delete, or modify columns in the existing tables
1. ALTER TABLE PETSALE
2. ADD COLUMN QUANTITY INTEGER;
3.
4. SELECT * FROM PETSALE;

Copied!
 Copied!
 Delete the PROFIT column from the PETSALE table and show the altered table. Copy the code below and paste it into the text area of the SQL page. Click Go
 | Options | | Option
       Run SQL query/queries on table Mysql_learners.PETSALE: 🤬
                  1 ALTER TABLE PETSALE
2 DROP COLUMN PROFIT;
                  3
4 SELECT * FROM PETSALE;
                                                                                                                                                                                                                                    Show all Number of rows: 25 v Filter rows: Search this table
```

2 of 4 6/4/2024, 9:21 AM



3 of 4 6/4/2024, 9:21 AM

- Use the CIEATE statement to create new tables in the database.
  Use the INSERT statement to add records to the tables.
  Use the ALTER attement to add records to the tables.
  Use the ALTER attement to add records to the tables.
  Use the ALTER Attements to dark delicit, remain, or modelly the columns of an existing table.
  Use the TRINCAST instances to dark of the content of an existing table (but not the table).
  Use the DROP attement to delice an entire table.

## Author(s)

<u>Lakshmi Holla</u> <u>Malika Singla</u>

## Additional Contributor(s)

6/4/2024, 9:21 AM 4 of 4