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 4. In the tree view, click New to create a new empty database. Then, enter Mysql_Learners as the name of the database, leave the default urfs encoding, and click Creat 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, copy the code below and paste it into the text area of the SQL tab. Click Go.

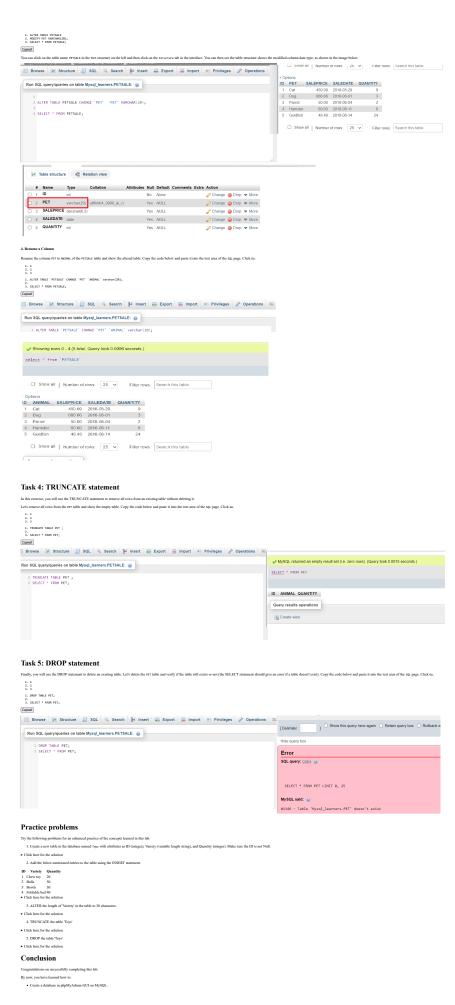
2. 2 3. 3 4. 4 5. 5 6. 6

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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;
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Task 3: ALTER statement
 In this exercise, you will use the ALTER statement to add, delete, or modify columns in the existing table
1. ALTER TABLE PETSALE
2. ADD COLUMN QUANTITY INTEGER;
3.
4. SELECT * FROM PETSALE;

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 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
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- Use the CRIATE statement to create new tables in the database.
 Use the INSTRT statement to add records to the tables.
 Use the ALTER attement to add schots, remain, or modify the columns of an existing table.
 Use the ALTER attements to take dicker, remain, or modify the columns of an existing table.
 Use the TRINCATE statements to died to contents of an existing table (but not the table).
 Use the INSTRUCT statements to delice an entire table.

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