Faculty of Science, Engineering and Technology

Fundamentals of Data Management

Pass Tasks 8.1.3: SQL - DML - Updates

Overview

In this tutorial, you will practise using SQL DML statements to add and manipulate data in a relational database.

Purpose

Learn to write SQL DML statements to add, remove and change data in a database.

Task

Solve the tasks given below.

Time

This task should be completed in your eighth lab class and submitted for feedback in the eighth lab or at the beginning of lab 9.

Resources

- Online resources, e.g.
  - Tutorialspoint:
    http://www.tutorialspoint.com/mysql/mysql-insert-query.htm
    http://www.tutorialspoint.com/mysql/mysql-update-query.htm
    http://www.tutorialspoint.com/mysql/mysql-delete-query.htm
  - MySQL reference:
    http://dev.mysql.com/doc/refman/5.7/en/insert.html
    http://dev.mysql.com/doc/refman/5.7/en/update.html
    http://dev.mysql.com/doc/refman/5.7/en/delete.html

Feedback

Discuss your solutions with the tutorial instructor.

Next

Get started Task 8.1.4.

Pass Tasks 8.1.3 — Submission Details and Assessment Criteria

Document your solutions using a word processor. Upload the Pass level work to Doubtfire in pdf format. The tutors will discuss them with you in the lab.

First, create two tables to work with:

```
CREATE TABLE Purchase(
purchaseID int unsigned not null auto_increment,
custName VARCHAR (30) not null,
orderedDate DATE not null,
shipDate DATE,
PRIMARY KEY (purchaseID));

CREATE TABLE PurchasedItem(
purchaseID int unsigned not null,
itemNo int unsigned not null,
productName VARCHAR(30) not null,
orderedQty TINYINT unsigned not null,
quotedPrice DECIMAL(5, 2) not null,
PRIMARY KEY (purchaseID, itemNo),
FOREIGN KEY (purchaseID) REFERENCES Purchase(purchaseID));
```

Second, turn off autocommit:

```
SET AUTOCOMMIT = false;
```

Subtask 8.1.3

Run this statement:

```
INSERT into Purchase (custName, shipDate) VALUES ('Max Wang', '2016-05-
12');
```

What happens?

How do you solve the problem?

Don't forget the commit or rollback at the end.

Document the answer and submit.