Readings:

* chapter 6: “Introduction to SQL” (Hoffer, Ramesh, & Topi) from page 261 – end of chapter
* chapter 6: “Queries: SELECT Statement” (Petkovic) from page 193 -230

Homework:

1. Using the database INFO6210 created during lecture, perform the following:
   1. Write SQL Statements to drop all four tables your created in the INFO6210 database. Execute them.

**DROP TABLE OrderLine;**

**DROP TABLE [Order];**

**DROP TABLE Customer;**

**DROP TABLE Product;**

A screenshot of a cell phone

Description automatically generated-> A screenshot of a cell phone

Description automatically generated

* 1. Recreate the tables using the SQL statements found in script file “1\_PineValey\_CREATE\_table”.  File can be found in the course’s blackboard.
  2. Populate the tables using the SQL statements found in script file “2\_PineValey\_INSERT”.  File can be found in the course’s blackboard. Show screenshot image of couple of tables populated with data.

**Customer:**

****

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**Product:**

A screenshot of a cell phone

Description automatically generated

1. How do you classify the SQL statements found in the script file “1\_PineValey\_CREATE\_table”?
   1. DDL
   2. DML
   3. DQL
   4. DCL
   5. All of the above

**a**

1. How do you classify the SQL statements found in the script file “2\_PineValey\_INSERT”? Write a SQL statement that DELETES all customer in the state of MA
   1. DDL
   2. DML
   3. DQL
   4. DCL
   5. All of the above

**b**

1. Write a SQL statement to change the ProductStandardPrice on ProductID=1 to $200

**UPDATE Product**

**SET ProductStandardPrice = 200**

**WHERE ProductID = 1;**

1. Write a query that finds all products with ProductStandardPrice less than $275

**SELECT \***

**FROM Product**

**WHERE ProductStandardPrice < 275;**

1. Write a query that finds all customers in the state of FL or in the state of MA

**SELECT \***

**FROM Customer**

**WHERE CustomerState IN ('FL', 'MA');**

1. Write a query that finds all products with the word “desk” or “table” in the description, and standard price greater than $300

**SELECT \***

**FROM Product**

**WHERE (ProductDescription LIKE '%desk'**

**OR ProductDescription LIKE '%table')**

**AND ProductStandardPrice > 300;**

1. Write a query that counts the number of records in the product table

**SELECT COUNT(\*)**

**FROM Product;**