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* Nathan Yoon

# **BMIS 441 02: Database Management [Fall 2021]**

## **SQL Assignment #2-Join/Update/Insert Queries**

For each information request below, formulate a single SQL query to produce the required information. In each case, you should **display only the columns requested. Be sure that your queries do not produce duplicate records unless otherwise directed.**

A description of the database schema in show below.

The interface below may not remember queries you have written if you have to leave the page for any reason before you submit, so be sure to keep a copy of your queries in case you need to enter them again.

| Due Date: | Sep 19 at 23:59 |
| --- | --- |
| Points: | 100 |

Graded on Sep 20 at 17:06

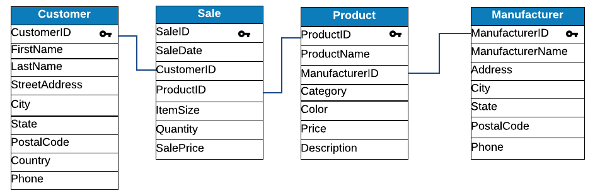
Your Submission:

| Submission Score: | 96 / 100 (96.00%) |
| --- | --- |
| Grade Time: | Sep 20 at 17:06 |
| Submitted On: | Sep 19 at 17:27 |

*Feedback on this submission:* Nice job, Nathan!

For #1, consider to use "JOIN...ON". We will talk about it in class.

For #7, missing ";" and we will talk about it in class.

1. What are the categories of shoes from Puma and in what colors? Sort them by color. Only show DISTINCT category and color.
2. SELECT DISTINCT Category, Color
3. FROM Product, Manufacturer
4. WHERE ManufacturerName = 'Puma'
5. ORDER BY Color;

**FEEDBACK**8 / 10 (80.0%)

1. List the information in the sales table, plus the productname, category, and color for sales of green sneakers and green sandals. **Use first letter aliases (e.g., Sale is represented by S).**
2. SELECT S.\*, P.ProductName, P.Category, P.Color
3. FROM Sale S
4. JOIN Product P
5. ON S.ProductID = P.ProductID
6. WHERE P.Color = 'green'
7. AND (P.Category = 'sneakers')
8. OR (P.Category = 'sandals');

**FEEDBACK**10 / 10 (100.0%)

1. List the information contained in the sale table concerning the sales of slippers (whose category is slippers).
2. SELECT S.\*
3. FROM Sale S
4. JOIN Product P
5. ON S.ProductID = P.ProductID
6. WHERE (P.Category= 'slippers');

**FEEDBACK**10 / 10 (100.0%)

1. List the information contained in the sale table concerning the sales of slippers and the sales of casual shoes (categories) in the month of January.
2. SELECT S.\*
3. FROM Sale S
4. JOIN Product P
5. ON S.ProductID = P.ProductID
6. WHERE (P.Category = 'slippers'
7. OR P.Category = 'casual shoes')
8. AND MONTH(SaleDate) = 1;

**FEEDBACK**10 / 10 (100.0%)

1. What are the first and last names of customers living in California who made purchases in January 2015, and what was the quantity for each of their purchases? (States appear in the database as standard abbreviations, e.g. Alaska appears as “AK”). Show customer first name, last name, and quantity.
2. SELECT C.FirstName, C.LastName, S.Quantity
3. FROM Sale S
4. JOIN Customer C
5. ON C.CustomerID = S.CustomerID
6. WHERE C.State = 'CA'
7. AND MONTH(SaleDate) = 1
8. AND YEAR(SaleDate) = 2015;

**FEEDBACK**10 / 10 (100.0%)

1. What are the names of manufacturers of heels costing $50 or more? (Use aliases.) Only show DISTINCT manufacturer names.
2. SELECT DISTINCT M.ManufacturerName
3. FROM Sale S
4. JOIN Product P
5. ON S.ProductID = P.ProductID
6. JOIN Manufacturer M
7. ON P.ManufacturerID = M.ManufacturerID
8. WHERE P.Price >= 50
9. AND P.Category= 'heels';

**FEEDBACK**10 / 10 (100.0%)

1. Insert the following records into the Manufacturer table.

| **ManufacturerID** | **ManufacturerName** | **Address** | **City** | **State** | **PostalCode** | **Phone** |
| --- | --- | --- | --- | --- | --- | --- |
| 100 | Classic Shoes Inc | 521 Schaefer Ave | Chino | CA | 91710 | 714-276-1180 |
| 101 | All About Boots | 80 Enterprise Avenue South | Secaucus | NJ | 17094 |  |
| 102 | Sports Footwear | 22500 S. Vermont Ave | Torrence | CA | 90502 | 310-783-1900 |
| 103 | Fancy Feet LLC | 910 S Los Angeles Street # 704 | Los Angeles | CA | 90015 | 877-740-7732 |

1. To make your queries work, you may need to create the Manufacturer table first in your database by using student account credential.   
   "Create table Manufacturer ( ManufacturerID Integer Primary Key Not Null, ManufacturerName Varchar (30) Not Null, Address Varchar (100) Not Null, City Varchar (50) Not Null, State Char (2) Not Null, PostalCode Char (10) Not Null, Phone Char (15));"  
   You can copy and paste to execute it and then run the INSERT queries. OR you can ignore the error message to simply type your answers below.
2. INSERT INTO Manufacturer (ManufacturerID, ManufacturerName, Address, City, State, PostalCode, Phone)
3. VALUES ((100, 'Classic Shoes Inc', '521 Schaefer Ave', 'Chino', 'CA', '91710', '714-276-1180'),
4. (101, 'All About Boots', '80 Enterprise Avenue South', 'Secaucus', 'NJ', '17094', null),
5. (102, 'Sports Footwear', '22500 S. Vermont Ave', 'Torrence', 'CA', '90502', '310-783-1900'),
6. (103, 'Fancy Feet LLC', '910 S Los Angeles Street # 704', 'Los Angeles', 'CA', '90015', '877-740-7732'))
7. SELECT \*
8. FROM Manufacturer;

**FEEDBACK**18 / 20 (90.0%)

1. Since we don't want to alter any data in the database, this becomes a short answer question for you to practice UPDATE queries. Simply type your query below. It will be hand-graded by the instructor.   
   **Question:**There's one student named **Suzy Moore** at Accounting Department in the School of Business. Change her **Major** to MIS in the STUDENT table. Note that no other students have the exact same first and last name in the table.
2. *UPDATE Student*
3. *SET Major = 'MIS'*
4. *WHERE FirstName = 'Suzy'*
5. *AND LastName = 'Moore'*
6. *AND Major = 'Accounting';*

**FEEDBACK**10 / 10 (100.0%)

1. Enter your entire script below. Do not inlcude statements to drop objects as your script will be executed against a clean schema. You may include select statements in sub queries in your insert statements, but do not include select queries that return records for display.  
   **Question: Delete all products from the Product table that are manufactured by Manufacturer 100.**To make your query work, you may need to create a new table called Product first in your database using student credential. OR ignore the error message and simply type your answer  
   "Create table Product ( ProductID Integer Primary Key Not Null, ProductName Varchar (30) Not Null, ManufacturerID Integer Not Null, Category Char (20), Color Char (15), Price Decimal (8,2) Not Null, Description VarChar(100));Insert into Product values (1500,'Leather Sneakers',100,'sneakers','White',65.00,'Real leather uppers');Insert into Product values (1502, 'Jogging Sneakers', 100, 'sneakers', 'Black', 80.00, null);"
2. DELETE FROM Product
3. WHERE ManufacturerID = 100;

**FEEDBACK**10 / 10 (100.0%)

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