

CSC 4370/6370 WEB PROGRAMMING

In class Activity 8 – Mysql

Due date: 04/06/2020 (11:59 pm)

Instructions:

1. For this activity, you will be submitting a html file with all your queries and results screenshots! The link must be working from codd server.
`codd.cs.gsu.edu/~campusid/InclassAssignment/7/index.html`.
2. If submitted after the due date, you will receive a '0'.
3. Update the assignment links on your main home page / assignment1/index.html
4. Grading would depend on the "correctness" and quality of the query.
5. The activity must be completed using mysql on codd server. If, for any reason, you cant get the codd server working, you can download mysql and use it. (No extra time/deadline extended if you have to do the installations)
6. For every question, format your index.html properly which clearly shows that you are answering the question. For each question, make sure you have the following on your index.html – question no, query used and Screenshot (image) of the result when you execute the query.

Questions

- 1) Create a Products table. The structure is given in the following image

Structure of Products table:



- a) Product id is auto increment. This is also a primary key.
- b) ProductName is NOT NULL
- c) SupplierID, CategoryID, QuantityPerUnit default values are NULL
- d) UnitPrice default value is 0.0000
- e) UnitsInStock , UnitsOnOrder, ReorderLevel default values are 0
- f) Discontinued, NOT NULL and default value set to b'0'

The result after you created table would be; Screenshot of table created and use the command SHOW tablename and take the screenshot of the empty table!

- 2) If you create 1, right; you can directly use the following lines to insert values/ rows into the table. If you don't get 1 right, you will have to figure out, where you went wrong and then add the 77 rows into your table.

```
INSERT INTO `Products` (`ProductID`, `ProductName`, `SupplierID`, `CategoryID`,
`QuantityPerUnit`, `UnitPrice`, `UnitsInStock`, `UnitsOnOrder`, `ReorderLevel`,
`Discontinued`) VALUES
```

- (1, 'Chai', 1, 1, '10 boxes x 20 bags', '18.0000', 39, 0, 10, b'0'),
- (2, 'Chang', 1, 1, '24 - 12 oz bottles', '19.0000', 17, 40, 25, b'0'),
- (3, 'Aniseed Syrup', 1, 2, '12 - 550 ml bottles', '10.0000', 13, 70, 25, b'0'),
- (4, 'Chef Anton's Cajun Seasoning', 2, 2, '48 - 6 oz jars', '22.0000', 53, 0, 0, b'0'),
- (5, 'Chef Anton's Gumbo Mix', 2, 2, '36 boxes', '21.3500', 0, 0, 0, b'1'),
- (6, 'Grandma's Boysenberry Spread', 3, 2, '12 - 8 oz jars', '25.0000', 120, 0, 25, b'0'),
- (7, 'Uncle Bob's Organic Dried Pears', 3, 7, '12 - 1 lb pkgs.', '30.0000', 15, 0, 10, b'0'),
- (8, 'Northwoods Cranberry Sauce', 3, 2, '12 - 12 oz jars', '40.0000', 6, 0, 0, b'0'),
- (9, 'Mishi Kobe Niku', 4, 6, '18 - 500 g pkgs.', '97.0000', 29, 0, 0, b'1'),
- (10, 'Ikura', 4, 8, '12 - 200 ml jars', '31.0000', 31, 0, 0, b'0'),
- (11, 'Queso Cabrales', 5, 4, '1 kg pkg.', '21.0000', 22, 30, 30, b'0'),
- (12, 'Queso Manchego La Pastora', 5, 4, '10 - 500 g pkgs.', '38.0000', 86, 0, 0, b'0'),

(13, 'Konbu', 6, 8, '2 kg box', '6.0000', 24, 0, 5, b'0'),
(14, 'Tofu', 6, 7, '40 - 100 g pkgs.', '23.2500', 35, 0, 0, b'0'),
(15, 'Genen Shouyu', 6, 2, '24 - 250 ml bottles', '15.5000', 39, 0, 5, b'0'),
(16, 'Pavlova', 7, 3, '32 - 500 g boxes', '17.4500', 29, 0, 10, b'0'),
(17, 'Alice Mutton', 7, 6, '20 - 1 kg tins', '39.0000', 0, 0, 0, b'1'),
(18, 'Carnarvon Tigers', 7, 8, '16 kg pkg.', '62.5000', 42, 0, 0, b'0'),
(19, 'Teatime Chocolate Biscuits', 8, 3, '10 boxes x 12 pieces', '9.2000', 25, 0, 5, b'0'),
(20, 'Sir Rodney's Marmalade', 8, 3, '30 gift boxes', '81.0000', 40, 0, 0, b'0'),
(21, 'Sir Rodney's Scones', 8, 3, '24 pkgs. x 4 pieces', '10.0000', 3, 40, 5, b'0'),
(22, 'Gustaf's Knckebrd', 9, 5, '24 - 500 g pkgs.', '21.0000', 104, 0, 25, b'0'),
(23, 'Tunnbrd', 9, 5, '12 - 250 g pkgs.', '9.0000', 61, 0, 25, b'0'),
(24, 'Guaran Fantstica', 10, 1, '12 - 355 ml cans', '4.5000', 20, 0, 0, b'1'),
(25, 'NuNuCa Nu-Nougat-Creme', 11, 3, '20 - 450 g glasses', '14.0000', 76, 0, 30, b'0'),
(26, 'Gumbr Gummibrchen', 11, 3, '100 - 250 g bags', '31.2300', 15, 0, 0, b'0'),
(27, 'Schoggi Schokolade', 11, 3, '100 - 100 g pieces', '43.9000', 49, 0, 30, b'0'),
(28, 'Rssle Sauerkraut', 12, 7, '25 - 825 g cans', '45.6000', 26, 0, 0, b'1'),
(29, 'Thringer Rostbratwurst', 12, 6, '50 bags x 30 sausgs.', '123.7900', 0, 0, 0, b'1'),
(30, 'Nord-Ost Matjeshering', 13, 8, '10 - 200 g glasses', '25.8900', 10, 0, 15, b'0'),
(31, 'Gorgonzola Telino', 14, 4, '12 - 100 g pkgs', '12.5000', 0, 70, 20, b'0'),
(32, 'Mascarpone Fabioli', 14, 4, '24 - 200 g pkgs.', '32.0000', 9, 40, 25, b'0'),
(33, 'Geitost', 15, 4, '500 g', '2.5000', 112, 0, 20, b'0'),
(34, 'Sasquatch Ale', 16, 1, '24 - 12 oz bottles', '14.0000', 111, 0, 15, b'0'),
(35, 'Steeleye Stout', 16, 1, '24 - 12 oz bottles', '18.0000', 20, 0, 15, b'0'),

(36, 'Inlagd Sill', 17, 8, '24 - 250 g jars', '19.0000', 112, 0, 20, b'0'),
(37, 'Gravad lax', 17, 8, '12 - 500 g pkgs.', '26.0000', 11, 50, 25, b'0'),
(38, 'Cte de Blaye', 18, 1, '12 - 75 cl bottles', '263.5000', 17, 0, 15, b'0'),
(39, 'Chartreuse verte', 18, 1, '750 cc per bottle', '18.0000', 69, 0, 5, b'0'),
(40, 'Boston Crab Meat', 19, 8, '24 - 4 oz tins', '18.4000', 123, 0, 30, b'0'),
(41, 'Jack''s New England Clam Chowder', 19, 8, '12 - 12 oz cans', '9.6500', 85, 0, 10, b'0'),
(42, 'Singaporean Hokkien Fried Mee', 20, 5, '32 - 1 kg pkgs.', '14.0000', 26, 0, 0, b'1'),
(43, 'Ipoh Coffee', 20, 1, '16 - 500 g tins', '46.0000', 17, 10, 25, b'0'),
(44, 'Gula Malacca', 20, 2, '20 - 2 kg bags', '19.4500', 27, 0, 15, b'0'),
(45, 'Rogede sild', 21, 8, '1k pkg.', '9.5000', 5, 70, 15, b'0'),
(46, 'Spegesild', 21, 8, '4 - 450 g glasses', '12.0000', 95, 0, 0, b'0'),
(47, 'Zaanse koeken', 22, 3, '10 - 4 oz boxes', '9.5000', 36, 0, 0, b'0'),
(48, 'Chocolade', 22, 3, '10 pkgs.', '12.7500', 15, 70, 25, b'0'),
(49, 'Maxilaku', 23, 3, '24 - 50 g pkgs.', '20.0000', 10, 60, 15, b'0'),
(50, 'Valkoinen suklaa', 23, 3, '12 - 100 g bars', '16.2500', 65, 0, 30, b'0'),
(51, 'Manjimup Dried Apples', 24, 7, '50 - 300 g pkgs.', '53.0000', 20, 0, 10, b'0'),
(52, 'Filo Mix', 24, 5, '16 - 2 kg boxes', '7.0000', 38, 0, 25, b'0'),
(53, 'Perth Pasties', 24, 6, '48 pieces', '32.8000', 0, 0, 0, b'1'),
(54, 'Tourtiere', 25, 6, '16 pies', '7.4500', 21, 0, 10, b'0'),
(55, 'Pt chinois', 25, 6, '24 boxes x 2 pies', '24.0000', 115, 0, 20, b'0'),
(56, 'Gnocchi di nonna Alice', 26, 5, '24 - 250 g pkgs.', '38.0000', 21, 10, 30, b'0'),
(57, 'Ravioli Angelo', 26, 5, '24 - 250 g pkgs.', '19.5000', 36, 0, 20, b'0'),
(58, 'Escargots de Bourgogne', 27, 8, '24 pieces', '13.2500', 62, 0, 20, b'0'),

(59, 'Raclette Courdavault', 28, 4, '5 kg pkg.', '55.0000', 79, 0, 0, b'0'),
 (60, 'Camembert Pierrot', 28, 4, '15 - 300 g rounds', '34.0000', 19, 0, 0, b'0'),
 (61, 'Sirop d'érable', 29, 2, '24 - 500 ml bottles', '28.5000', 113, 0, 25, b'0'),
 (62, 'Tarte au sucre', 29, 3, '48 pies', '49.3000', 17, 0, 0, b'0'),
 (63, 'Veggie-spread', 7, 2, '15 - 625 g jars', '43.9000', 24, 0, 5, b'0'),
 (64, 'Wimmers gute Semmelknodel', 12, 5, '20 bags x 4 pieces', '33.2500', 22, 80, 30, b'0'),
 (65, 'Louisiana Fiery Hot Pepper Sauce', 2, 2, '32 - 8 oz bottles', '21.0500', 76, 0, 0, b'0'),
 (66, 'Louisiana Hot Spiced Okra', 2, 2, '24 - 8 oz jars', '17.0000', 4, 100, 20, b'0'),
 (67, 'Laughing Lumberjack Lager', 16, 1, '24 - 12 oz bottles', '14.0000', 52, 0, 10, b'0'),
 (68, 'Scottish Longbreads', 8, 3, '10 boxes x 8 pieces', '12.5000', 6, 10, 15, b'0'),
 (69, 'Gudbrandsdalsost', 15, 4, '10 kg pkg.', '36.0000', 26, 0, 15, b'0'),
 (70, 'Outback Lager', 7, 1, '24 - 355 ml bottles', '15.0000', 15, 10, 30, b'0'),
 (71, 'Flotemysost', 15, 4, '10 - 500 g pkgs.', '21.5000', 26, 0, 0, b'0'),
 (72, 'Mozzarella di Giovanni', 14, 4, '24 - 200 g pkgs.', '34.8000', 14, 0, 0, b'0'),
 (73, 'Rd Kaviar', 17, 8, '24 - 150 g jars', '15.0000', 101, 0, 5, b'0'),
 (74, 'Longlife Tofu', 4, 7, '5 kg pkg.', '10.0000', 4, 20, 5, b'0'),
 (75, 'Rhnbru Klosterbier', 12, 1, '24 - 0.5 l bottles', '7.7500', 125, 0, 25, b'0'),
 (76, 'Lakkalikri', 23, 1, '500 ml', '18.0000', 57, 0, 20, b'0'),
 (77, 'Original Frankfurter grne Soe', 12, 2, '12 boxes', '13.0000', 32, 0, 15, b'0');

- 3) Write a query to get Product name and quantity/unit.
- 4) Write a query to get current Product list (Product ID and name)
- 5) Write a query to get discontinued Product list (Product ID and name).

- 6) Write a query to get most expensive and least expensive Product list (name and unit price)
- 7) Write a query to get Product list (id, name, unit price) where current products cost less than \$20.
- 8) Write a query to get Product list (id, name, unit price) where products cost between \$15 and \$25.
- 9) Write a query to get Product list (name, unit price) of above average price.
- 10) Write a query to get Product list (name, unit price) of ten most expensive products.
- 11) Write a query to count current and discontinued products.
- 12) Write a query to get Product list (name, units on order , units in stock) of stock is less than the quantity on order.