SALIH KILICLI – STAT 624 HOMEWORK 8

—— SQL CODES ——

SQL codes that solve each problem given below respectively.

01) SELECT * FROM Customers;

02) SELECT CustomerName, Country FROM Customers;

03) SELECT CustomerName, Country FROM Customers LIMIT 10;

04) SELECT * FROM Customers

WHERE Country='USA';

05) SELECT * FROM Customers

WHERE Country IN ('USA', 'Germany', 'UK', 'France');

06) SELECT * FROM OrderDetails

WHERE ProductID >= 50;

07) SELECT * FROM OrderDetails

WHERE ProductID BETWEEN 50 AND 60;

08) SELECT * FROM Customers

WHERE ContactName LIKE 'L%';

09) SELECT * FROM Customers

WHERE City IS NULL;

10) SELECT * FROM Customers

ORDER BY City ;

11) SELECT * FROM Customers

ORDER BY Country DESC, City ASC;

12) SELECT ProductID, AVG(Quantity) AS "Average Quantity" FROM OrderDetails

GROUP BY ProductID;

13) SELECT ProductID, AVG(Quantity) AS "Average Quantity" FROM OrderDetails

GROUP BY ProductID

ORDER BY AVG(Quantity) DESC;

14) SELECT ProductID, AVG(Quantity) AS "Average Quantity" FROM OrderDetails

    GROUP BY ProductID

    HAVING AVG(Quantity) > 50   # HAVING instead of WHERE before ORDER BY

    ORDER BY AVG(Quantity) DESC;

15) SELECT CustomerName, OrderID, OrderDate

    FROM Customers

    JOIN Orders

    ON Customers.CustomerID = Orders.CustomerID

    ORDER BY CustomerName;

16) INSERT INTO Customers (CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country) #Since the full row data is given in order, red part is optional

    VALUES (92, 'James Charles Putnam', 'James Charles', 'University Drive 701', 'College Station', '77845', 'USA'); #Added this as 92th row to the Customers table

17) UPDATE Customers

    SET CustomerName = 'PutName Inc.'

    WHERE CustomerID = 92;

18) DELETE FROM Customers

    WHERE CustomerID = 77;

19) CREATE TABLE Vendors

 (

  VendorID int NOT NULL,

  VendorDate date,

  VendorName varchar(100),

  VendorAddress varchar(200)

 );

20) CREATE INDEX ProductID_IDX ON OrderDetails (ProductID);