**SQL Assignment**

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**Part 1: Write the SQL query for the following:**

1. Which are the products supplied by Specialty Biscuits, Ltd. and the category Name.
2. How many products are sold by each suppliers
3. Name the Supplier who supplies Tofu.
4. Provide the customer name, contact person, city & country details of

customers who made at least 20 orders.

**Solution:**

1.SELECT s.SupplierName s.SupplierID FROM Suppliers s, Products p, Categories c

WHERE s.SupplierID=p.SupplierID AND p.ProductName

c.SupplierID=s.SupplierID

LIKE "Specialty Biscuits, Ltd"

2.SELECT SupplierID ,Count(\*) AS ProductCount

FROM Products

GROUP BY SupplierID;

3. SELECT s.SupplierName FROM Suppliers s, Products p

WHERE s.SupplierID=p.SupplierID AND p.ProductName LIKE "Tofu"

4.SELECT Customers.CustomerName, Customers.ContactName, Customers.City, Customers.Country

FROM Customers

INNER JOIN Orders

ON Customers.CustomerID=Orders.CustomerID;

WHERE CustomerID<=20

GROUP BY OrderID

**Part 2 : Normalize the below data**

**PET HEALTH HISTORY**

PET ID PET NAME PET TYPE PET AGE OWNER VISIT DATE PROCEDURE

246 ROVER DOG 12 SAM COOK JAN 13/2002 01 - RABIES VACCINATION

MAR 27/2002 10 - EXAMINE and TREAT WOUND

APR 02/2002 05 - HEART WORM TEST

298 SPOT DOG 2 TERRY KIM JAN 21/2002 08 - TETANUS VACCINATION

MAR 10/2002 05 - HEART WORM TEST

341 MORRIS CAT 4 SAM COOK JAN 23/2001 01 - RABIES VACCINATION

JAN 13/2002 01 - RABIES VACCINATION

519 TWEEDY BIRD 2 TERRY KIM APR 30/2002 20 - ANNUAL CHECK UP

APR 30/2002 12 - EYE WASH

UNF: Pet [Pet id, pet name, pet type, pet age, owner (visit, date, procedure, no)]

1NF: Pet [Pet id, pet name, pet type, pet age, owner] Pet visit [Pet id, visit date, procedure, no]

2NF: Pet [Pet id, pet name, pet type, pet age, owner] Pet Visit [Pet id, visit date, procedure, no, Procedure name]

3NF: PET [PetId, PetName, PetType, PetAge, OwnerId(FK) ]PET\_VISIT [PetId, Visitdate, ProcedureNo(FK) ]PROCEDURE [ ProcedureNo, ProcedureName ]