Activity 2:

Single table queries

Create the "**product**" table, which we talked in the class (please refer to ch3).

Show all records of the products table:

Write your query here:

In [1]:

CREATE TABLE Product

(PName VARCHAR(255),

Price FLOAT,

Category VARCHAR (255),

Manufacturer VARCHAR (255));

INSERT INTO Product VALUES ('Gizmo', 19.99, 'Gadgets', 'GizmoWorks');
INSERT INTO Product VALUES ('Powergizmo', 29.99, 'Gadgets', 'GizmoWorks');
INSERT INTO Product VALUES ('SingleTouch', 149.99, 'Photography', 'Canon');

INSERT INTO Product VALUES ('MultiTouch', 203.99, 'Household', 'Hitachi');

SELECT * FROM Product;

Show the output here:

Out [1]:

PName	Price	Category	Manufacturer
Gizmo	19.99	Gadgets	GizmoWorks
Powergizmo	29.99	Gadgets	GizmoWorks
SingleTouch	149.99	Photography	Canon
MultiTouch	203.99	Household	Hitachi

Exercise #1

Try writing a query to get an output table of all the products with "Touch" in the name, showing just their name and price, and sorted alphabetically by manufacturer.

Write your query here:

In [2]:

SELECT PName, Price FROM Product

WHERE PName LIKE '%Touch%'

ORDER BY Manufacturer;

Out [2]:



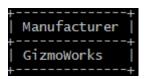
Next, write a query that returns the *distinct* names of manufacturers that make products with "Gizmo" in the name:

In [3]:

SELECT DISTINCT Manufacturer FROM Product

WHERE PName LIKE '%Gizmo%';

Out [3]:



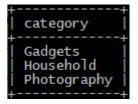
Exercise #2:

Try these queries but first guess what they return.

In [4]:

%sql SELECT DISTINCT category FROM product ORDER BY category;

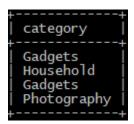
Out [4]:



In [5]:

%sql SELECT category FROM product ORDER BY pname;

Out[5]:



In [6]:

%sql SELECT DISTINCT category FROM product ORDER BY pname;

Out [6]:

