Chapter 3: INNER JOIN or JOIN

# What you will know:

INNER JOIN or JOIN

Import Database name pnc\_2020\_practice\_database from google classroom.

**Q1**

Display all products that have in each category.

SELECT p.pid AS "Product ID",

p.pname AS "Product Name",

c.catname AS "Category Name"

FROM product p

INNER JOIN category c

ON p.catid = c.catid;

Expected columns:

Product ID Product Name Category Name

**Q2**

Display the numbers of each product in each category.

SELECT c.catname AS "Category Name",

COUNT(p.pid) AS "Number of Product"

FROM product p

INNER JOIN category c

ON p.catid = c.catid

GROUP BY c.catid;

Expected columns:

Category Name Number of Product

**Q3**

By using product, store, and location tables. Display the product name and it location.

SELECT p.pname AS "Product Name",

l.locationname AS "Location of Product"

FROM product p

INNER JOIN store s

ON p.storeid = s.storeid

INNER JOIN location l

ON s.locationid = l.locationid;

Expected columns:

Product Name Location of Product

**Q4**

If the numbers of product less than 5, that mean it almost out of stock. So display the product name, store name and it location that have product will be running out of stock.

SELECT p.pname AS "Product Name",

s.storename AS "Store Name",

l.locationname AS "Location of Product"

FROM product p

INNER JOIN store s

ON p.storeid = s.storeid

INNER JOIN location l

ON s.locationid = l.locationid

WHERE p.quantity < 5;

Expected columns:

Product Name Store Name Location of Product