### **Lab 14- Writing SQL Queries**

### **Exercises: Write SQL Queries in PostgreSQL for the following queries:-**

1. Write a query to list the product id, product name, and unit price of every product.

Select product\_id, product\_name, unit\_price from products;

1. Write a query to list the product id, product name, and unit price of every product. Except this time, order then in ascending order by price.

select product\_id, product\_name,unit\_price from products order by unit\_price asc;

1. What are the products that we carry where the unit price is $7.50 or less?

SELECT \* FROM products WHERE unit\_price<=7.50;

1. What are the products that we carry where we have at least 100 units on hand? Order them in descending order by price.

Select product\_name, unit\_price, units\_in\_stock from products where (units\_in\_stock >=100) order by unit\_price desc;

1. What are the products that we carry where we have at least 100 units on hand? Order them in descending order by price. If two or more have the same price, list those in ascending order by product name.

Select product\_name, unit\_price, units\_in\_stock from products where (units\_in\_stock >=100) order by unit\_price desc,product\_name asc;

1. What are the products that we carry where we have no units on hand, but 1 or more units of them on backorder? Order them by product name.

select product\_name,unit\_price,units\_in\_stock from productswhere units\_in\_stock =0 and units\_on\_order >0order by product\_name asc;

1. What is the name of the table that holds the types (categories) of the items Northwind sells?
2. Write a query that lists all of the columns and all of the rows of the categories table? What is the category id of seafood?
3. Examine the Products table. How does it identify the type (category) of each item sold? Write a query to list all of the seafood items we carry.
4. What are the first and last names of all of the Northwind employees?
5. What employees have "manager" in their titles?
6. List the distinct job titles in employees.
7. What employees have a salary that is between $200 0 and $2500?
8. List all of the information about all of Northwind's suppliers.
9. Examine the Products table. How do you know what supplier supplies each product? Write a query to list all of the items that "Tokyo Traders" supplies to Northwind