-- 1: get the customer names from the customers table

select name from customers;

-- 2: Get the customer\_id, name, and credit\_limit from the customers table

select customer\_id,name,credit\_limit from customers;

-- 3: Get all info from customers table

select \* from customers;

-- 4: Retrieves customer name, address, and credit limit from the customers table

select name,address,credit\_limit from customers;

-- 5: Get name, address and credit limit, sort the customer data by names alphabetically in ascending order.

select name,address,credit\_limit

from customers

order by name ASC;

-- 6: Sort contacts by their first names in ascending order and their last names in descending order

select first\_name,last\_name

from contacts

order by first\_name,last\_name DESC;

-- 7: Retrieves locations and sorts them by city and state

select country\_id,city,state

from locations

order by city,state;

-- 8: Sort the customer names case-insensitively

select customer\_id,name

from customers

order by upper(name);

-- 9: Sort orders by order date

select order\_id,customer\_id,status,order\_date

from orders

order by order\_date DESC;

-- 10: retrieves all contact first names

select first\_name

from contacts

order by first\_name;

-- 11: selects distinct product id and quantity from the order\_items table

select distinct product\_id,quantity

from order\_items

order by product\_id;

-- 12: retrieves data from the state column, which has many NULL values

select distinct state

from locations

order by state NULLS FIRST;

-- 13: Get only products whose names are 'Kingston'

select product\_name,description,list\_price,category\_id

from products

where product\_name = 'Kingston';

-- 14: to get all motherboards that belong to the category id 1 and 4 and have list prices greater than 500

select product\_name,list\_price

from products

where list\_price >500 and category\_id IN (1,4);

-- 15: to get the products whose list prices are between 650 and 680

select product\_name,list\_price

from products

where list\_price between 650 and 680

order by list\_price;

-- 16: Get the full name of employees

select first\_name || ' ' || last\_name as "Full name"

from employees;

-- 17: Get the product gross profit, with gross profit is calculated by : list\_price - standard\_cost

select product\_name,list\_price - standard\_cost as "Gross profit"

from products;

-- 18: finds orders of the customer 2 with the pending status

select order\_id,customer\_id,status,order\_date

from orders

where status = 'Pending' and customer\_id=2

order by order\_date;

-- 19: Retrieves the orders that meet all the following conditions: placed in 2017; is in charge of the salesman id 60; has the shipped status.

select order\_id,customer\_id,status, order\_date

from orders

where status = 'Shipped' and salesman\_id = 60 and extract(year from order\_date) = 2017

order by order\_date;

-- 20: finds order placed by customer id 44 and has status canceled or pending

select order\_id,customer\_id,status,salesman\_id,order\_date

from orders

where (status in('Canceled' ,'Pending') and customer\_id = 44)

order by order\_date;

-- 21: finds orders whose status is pending or canceled

select order\_id,customer\_id,status,salesman\_id,order\_date

from orders

where status in('Canceled' , 'Pending')

order by order\_date desc;

-- 22: Retrieves the orders which are in charge of one of the following the salesman id 60, 61 or 62

select order\_id,customer\_id,status,salesman\_id,order\_date

from orders

where salesman\_id in(60,61,62)

order by order\_date desc;

-- 23: Find the orders that belong to the customer id 44 and have canceled or pending status

select order\_id,customer\_id,status,salesman\_id,order\_date

from orders

where (status in ('Canceled', 'Pending') and customer\_id = 44)

order by order\_date;

-- 24: Find only the first 5 products with the highest stock quantity

select product\_name,quantity

from inventories inner join products using(product\_id)

order by quantity desc

fetch next 5 rows only;

-- 25: Find products whose standard costs are between 500 and 600

select product\_name,standard\_cost

from products

where standard\_cost between 500 and 600

order by standard\_cost;

-- 26: Find products whose standard costs are not between 500 and 600

select product\_name,standard\_cost

from products

where standard\_cost not between 500 and 600

order by product\_name;

-- 27: Find the orders placed by customers between December 1, 2016, and December 31, 2016

select order\_id,customer\_id,status,order\_date

from orders

where order\_date between date '2016-12-01' and date '2016-12-31'

order by order\_date;

-- 28: find the phones of contacts whose last names start with 'St'

select first\_name,last\_name,phone

from contacts

where last\_name like 'St%'

order by last\_name;

-- 29: find the phone numbers of contacts whose last names end with the string 'er'

select first\_name,last\_name,phone

from contacts

where last\_name like '%er'

order by last\_name;

-- 30: finds emails of contacts whose first names start with CH

select first\_name,last\_name,phone

from contacts

where upper(first\_name) like 'CH%'

order by first\_name;

-- 31: find contacts whose phone numbers do not start with '+1'

select first\_name,last\_name,phone

from contacts

where phone not like '+1%'

order by first\_name;

-- 32: finds the phone numbers and emails of contacts whose first names have the following pattern 'Je\_i'

select first\_name,last\_name,email,phone

from contacts

where first\_name like 'Je\_i'

order by first\_name;