SQL Queries

1 Find the number of orders sent by each shipper.

“select ship\_via as shipper\_id, count(\*) from orders group by ship\_via;”

2 Find the number of orders sent by each employee

“select employee\_id, count(\*) from orders group by employee\_id;”

3 Find name of employees who has registered more than 100 orders.

“select \* from (select employee\_id, count(\*) as orderCount from orders group by employee\_id) as newTable where orderCount > 100; ”

4 Find if the employees "Davolio" or "Fuller" have registered more than 25 orders.

“select count(\*), employees.last\_name from orders inner join employees on orders.employee\_id = employees.employee\_id where employees.last\_name in ('Davolio', ‘Fuller’) group by employees.employee\_id;”

5 Find the customer\_id and name of customers who had placed orders more than one time and how many times they have placed the order

“select \* from (select customers.customer\_id, customers.company\_name, count(\*) as orderCount from orders inner join customers on orders.customer\_id = customers.customer\_id

group by customers.customer\_id) as newTable where orderCount > 1;”

6 Select all the orders where the employee’s city and orders ship city are same.

“select orders.order\_id, employees.first\_name, employees.last\_name, employees.city, orders.ship\_city from orders inner join employees on orders.employee\_id = employees.employee\_id where orders.ship\_city = employees.city;”

7 Create a report that shows the order ids and the associated employee names for orders that shipped

“select orders.order\_id, employees.first\_name, employees.last\_name from orders inner join employees on orders.employee\_id = employees.employee\_id;”

8 Create a report that shows the total quantity of products ordered fewer than 200.

“select \* from (select product\_id, count(product\_id) from

(select order\_details.order\_id, order\_details.product\_id from

orders inner join order\_details on orders.order\_id = order\_details.order\_id)

as newTable group by product\_id)

as newNewTable where count < 200;”

9 Create a report that shows the total number of orders by Customer since December 31, 1996 and the NumOfOrders is greater than 15.

“select \* from (select customers.customer\_id, customers.company\_name, count(customers.customer\_id) from orders inner join customers on orders.customer\_id = customers.customer\_id group by customers.customer\_id) as newTable where count > 15;”

10 Create a report that shows the company name, order id, and total price of all products of which Northwind has sold more than $10,000 worth.

“select \* from ( select customers.company\_name, orders.customer\_id, order\_details.order\_id, order\_details.unit\_price \* order\_details.quantity as total\_price from orders inner join order\_details on orders.order\_id = order\_details.order\_id inner join customers on orders.customer\_id = customers.customer\_id) as newTable where total\_price > 10000”

11 Create a report showing the Order ID, the name of the company that placed the order,

and the first and last name of the associated employee. Only show orders placed after January 1, 1998 hat shipped after they were required. Sort by Company Name.

“select order\_date, orders.order\_id, customers.company\_name, employees.first\_name, employees.last\_name from orders inner join customers on orders.customer\_id = customers.customer\_id inner join employees on orders.employee\_id = employees.employee\_id where orders.order\_date > '1998-01-01' order by customers.company\_name asc;”

12 Get the phone numbers of all shippers, customers, and suppliers.

“select customers.phone as customer\_Phones, suppliers.phone as supplier\_phones, shippers.phone as shipper\_phones from customers, suppliers, shippers;”

13 Create a report showing the contact name and phone numbers for all employees,customers, and suppliers.

“select employees.home\_phone as employee\_phone, employees.last\_name as employee\_name, customers.company\_name as customer\_name, customers.phone as customer\_phone, suppliers.company\_name as supplier\_name, suppliers.phone as supplier\_phone from employees, customers, suppliers;”

14 Fetch all the orders for a given customers phone number 030 0074321.

“select orders from orders inner join customers on orders.customer\_id = customers.customer\_id where customers.phone = '030 0074321';”

15 Fetch all the products which are available under Category Seafood.

“select products, categories.category\_name from products inner join categories on products.category\_id = categories.category\_id where categories.category\_name = 'Seafood';”

16 Fetch all the products which are supplied by a company called Pavlova, Ltd.

“select products, suppliers.company\_name from products inner join suppliers on products.supplier\_id = suppliers.supplier\_id where suppliers.company\_name = 'Pavlova, Ltd.';”

17 All orders placed by the customers belong to London city.

“select orders, customers.city from orders inner join customers on orders.customer\_id = customers.customer\_id where customers.city = 'London';”

18 All orders placed by the customers not belong to London city.

“select orders, customers.city from orders inner join customers on orders.customer\_id = customers.customer\_id where customers.city <> 'London';”

20 Find the name of the company that placed order 10290.

“select customers.company\_name from orders inner join customers on orders.customer\_id = customers.customer\_id where orders.order\_id = '10290';”

21 Find the Companies that placed orders in 1997

“select customers.company\_name, orders.order\_date from orders inner join customers on orders.customer\_id = customers.customer\_id where orders.order\_date between '1997-01-01' and '1997-12-31';”

22 Get the product name , count of orders processed

“select newTable.product\_id, products.product\_name, newTable.count as order\_count from (select order\_details.product\_id, count(\*) from orders join order\_details on orders.order\_id =

ils.order\_id group by order\_details.product\_id) as newTable join products on products.product\_id = newTable.product\_id;”

23 Get the top 3 products which has more orders

“select newTable.product\_id, products.product\_name, newTable.count as order\_count from (select order\_details.product\_id, count(\*) from orders join order\_details on orders.order\_id = order\_deta

ils.order\_id group by order\_details.product\_id) as newTable join products on products.product\_id = newTable.product\_id order by order\_count desc limit (3);”

24 Get the list of employees who processed the order chai

“select newTable.first\_name, newTable.last\_name, newTable.order\_id, products.product\_name from (select employees.first\_name, employees.last\_name, orders.order\_id, order\_details.product\_id from

orders inner join employees on orders.employee\_id = employees.employee\_id inner join order\_details on orders.order\_id = order\_details.order\_id) as newTable inner join products on newTable.product\_id = products.product\_id where products.product\_name = 'Chai';”

25 Get the shipper company who processed the order categories Seafood.

“select distinct table1.category\_name,

table2.company\_name

from

(

select products.product\_id,

categories.category\_name

from products

join order\_details

on order\_details.product\_id = products.product\_id

join categories

on products.category\_id = categories.category\_id

where categories.category\_name = 'Seafood'

) as table1

join

(

select order\_details.product\_id,

shippers.company\_name

from orders

join order\_details

on orders.order\_id = order\_details.order\_id

join shippers

on orders.ship\_via = shippers.shipper\_id

) as table2

on table1.product\_id = table2.product\_id;”

26 Get category name , count of orders processed by the USA employees

select table1.category\_name, count(\*) as order\_count

from

(

select products.product\_id,

categories.category\_name

from products

join order\_details

on order\_details.product\_id = products.product\_id

join categories

on products.category\_id = categories.category\_id

) as table1

join

(

select order\_details.product\_id

from orders

join order\_details

on orders.order\_id = order\_details.order\_id

join employees

on orders.employee\_id = employees.employee\_id

where employees.country = 'USA'

) as table2

on table1.product\_id = table2.product\_id

group by table1.category\_name;

27 Select CategoryName and Description from the Categories table sorted by CategoryName.

“select category\_name, description from categories order by category\_name;”

28 Select ContactName, CompanyName, ContactTitle, and Phone from the Customers table sorted byPhone.

“select contact\_name, company\_name, contact\_title, phone from customers order by phone;”

29 Create a report showing employees' first and last names and hire dates sorted from newest to oldest employee.

“select employees.first\_name, employees.last\_name, employees.hire\_date from employees order by hire\_date desc;”

30 Create a report showing Northwind's orders sorted by Freight from most expensive to cheapest. Show OrderID, OrderDate, ShippedDate, CustomerID, and Freight.

“select order\_id, order\_date, shipped\_date, customer\_id, freight from orders order by freight desc;”

31 Select CompanyName, Fax, Phone, HomePage and Country from the Suppliers table sorted by Country in descending order and then by CompanyName in ascending order

“select company\_name, fax, phone, homepage, country from suppliers order by country desc, company\_name asc;”

32 Create a report showing all the company names and contact names of Northwind's customers in Buenos Aires.

“select company\_name, contact\_name from customers where city = 'Buenos Aires';”

33 Create a report showing the product name, unit price and quantity per unit of all products that are out of stock.

“select product\_name, unit\_price, quantity\_per\_unit from products where units\_in\_stock = 0;”

34 Create a report showing the order date, shipped date, customer id, and freight of all orders placed on May 19, 1997.

“select order\_date, shipped\_date, customer\_id, freight from orders where order\_date = '1997-05-17';”

35 Create a report showing the first name, last name, and country of all employees not in the United States.

“select first\_name, last\_name, country from employees where country <> 'USA';”

36 Create a report that shows the city, company name, and contact name of all customers who are in cities that begin with "A" or "B."

“select city, company\_name, contact\_name from customers where city like 'A%' or city like 'B%';”

37 Create a report that shows all orders that have a freight cost of more than $500.00.

“select \* from orders where freight > 500;”

38 Create a report that shows the product name, units in stock, units on order, and reorder level of all

products that are up for reorder.

“select product\_name, units\_in\_stock, units\_on\_order, reorder\_level from products where reorder\_level > 0;”

39 Create a report that shows the company name, contact name and fax number of all customers that have a fax number.

“select company\_name, contact\_name, fax from customers where fax is not NULL;”

40 Create a report that shows the first and last name of all employees who do not report to anybody.

“select first\_name, last\_name from employees where reports\_to is null;”

41 Create a report that shows the company name, contact name and fax number of all customers that have a fax number, Sort by company name.

“select company\_name, contact\_name, fax from customers where fax is not null order by company\_name;”

42 Create a report that shows the city, company name, and contact name of all customers who are in cities that begin with "A" or "B." Sort by contact name in descending order.

“select city, company\_name, contact\_name from customers where city like 'A%' or city like 'B%' order by contact\_name desc;”

43 Create a report that shows the first and last names and birth date of all employees born in the 1950s

“select first\_name, last\_name, birth\_date from employees where birth\_date between '1950-01-01' and '1950-12-31';”

44 Create a report that shows the shipping postal code, order id, and order date for all orders with a ship postal code beginning with "02389".

“select ship\_postal\_code, order\_id, order\_date from orders where ship\_postal\_code like '02389%';”

45 Create a report that shows the contact name and title and the company name for all customers whose contact title does not contain the word "Sales".

“select contact\_name, contact\_title, company\_name from customers where contact\_title not like '%Sales%';”

46 Create a report that shows the first and last names and cities of employees from cities other than Seattle in the state of Washington.

“select first\_name, last\_name, city from employees where region = 'WA' and city <> 'Seattle';”

select table1.category\_name, table2.company\_name from (select products.product\_id, categories.category\_name from products join order\_details on order\_details.product\_id = products.product\_id join categories on products.category\_id = category\_id where categories.category\_name = 'Seafood') as table1 join (select order\_details.product\_id, shippers.company\_name from orders join order\_details on orders.order\_id = order\_details.order\_id join shippers on orders.ship\_via = shippers.shipper\_id) as table2 on table1.product\_id = table2.product\_id;