

Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

3

LIST OF TASKS

Task No	Objective
1	Display Product's name and their supplier's name (ContactName), whose supplier's name doesnot contain Dirk and there should be at most 7 characters in Product's name.
2	Create a report showing order ID. OrderDate. EmployeeID, and the firstname and LastName of the associated Employee
3	List distinct cities from of customers and suppliers, country must be Germany.
4	List all cities (duplicate values allowed)from of customers and suppliers
5	lists all customers and suppliers

Submitted On:

5/4/2022

(Date: DD/MM/YY)

Task# 01:- Display Product's name and their supplier's name (ContactName), whose supplier's name does not contain Dirk and there should be at most 7 characters in Product's name.

Query:-

```
select products.productname,suppliers.contactname from products inner join
suppliers on products.supplierid = suppliers.supplierid where suppliers.contactname
not like '%dirk%' and len(products.productname) < 8
```

Output:-

	productname	contactname
1	Chai	Charlotte Cooper
2	Chang	Charlotte Cooper
3	Ikura	Yoshi Nagase
4	Konbu	Mayumi Ohno
5	Tofu	Mayumi Ohno
6	Pavlova	Ian Devling
7	Geitost	Beate Vileid

Task # 02: Create a report showing order ID, OrderDate,EmployeeID, and the firstname and LastName of the associated Employee

Query:-

```
select
orders.orderid,orders.orderdate,employees.employeeid,employees.firstname,employees.lastname
from orders inner join employees on orders.EmployeeID = Employees.EmployeeID
```

Output:-

	orderid	orderdate	employeeid	firstname	lastname
1	10248	1996-07-04 00:00:00.000	5	Steven	Buchanan
2	10249	1996-07-05 00:00:00.000	6	Michael	Suyama
3	10250	1996-07-08 00:00:00.000	4	Margaret	Peacock
4	10251	1996-07-08 00:00:00.000	3	Janet	Leverling
5	10252	1996-07-09 00:00:00.000	4	Margaret	Peacock
6	10253	1996-07-10 00:00:00.000	3	Janet	Leverling
7	10254	1996-07-11 00:00:00.000	5	Steven	Buchanan
8	10255	1996-07-12 00:00:00.000	9	Anne	Dodsworth
9	10256	1996-07-15 00:00:00.000	3	Janet	Leverling
10	10257	1996-07-16 00:00:00.000	4	Margaret	Peacock
11	10258	1996-07-17 00:00:00.000	1	Nancy	Davolio

Query executed successfully.

DESKTOP-KOFOL3B (15.0 RTM) | DESKTOP-KOFOL3B\DELL (54) | NORTHWND | 00:00:01 | 830 rows

Task#03:- List distinct cities from of customers and suppliers, country must be Germany.

Query:-

```
select city from customers where country = 'Germany' union select city from suppliers
where country = 'Germany'
```

Output:-

city
1 Aachen
2 Berlin
3 Brandenburg
4 Cunevalde
5 Cuxhaven
6 Frankfurt
7 Frankfurt a.M.
8 Köln
9 Leipzig
10 Mannheim
11 München

Query executed successfully. DESKTOP-KOFOL3B (15.0 RTM) DESKTOP-KOFOL3B\DELL (54) NORTHWND 00:00:00 13 rows

Task# 04:- List all cities (duplicate values allowed)from of customers and suppliers**Query:-**

select city from customers union all select city from Suppliers

Output:-

city
2 Albuquerque
3 Anchorage
4 Athens
5 Barcelona
6 Barquisimeto
7 Bergamo
8 Berlin
9 Bern
10 Boise
11 Bracke

Query executed successfully. DESKTOP-KOFOL3B (15.0 RTM) DESKTOP-KOFOL3B\DELL (52) NORTHWND 00:00:01 120 rows

Task# 05:- Lists all customers and suppliers**Query:-**

select 'Customer' as type,contactname,city,country from customers union select 'Supplier' as type,contactname,city,country from suppliers

Output:-

type	contactname	city	country
1 Customer	Alejandra Camino	Madrid	Spain
2 Customer	Alexander Feuer	Leipzig	Germany
3 Customer	Ana Trujillo	México D.F.	Mexico
4 Customer	Anabela Domingues	Sao Paulo	Brazil
5 Customer	André Fonseca	Campinas	Brazil
6 Customer	Ann Devon	London	UK
7 Customer	Annette Roulet	Toulouse	France
8 Customer	Antonio Moreno	México D.F.	Mexico
9 Customer	Aria Cruz	Sao Paulo	Brazil
10 Customer	Art Braunschweiler	Lander	USA
11 Customer	Bernardo Batista	Rio de Janeiro	Brazil

Query executed successfully. DESKTOP-KOFOL3B (15.0 RTM) DESKTOP-KOFOL3B\DELL (52) NORTHWND 00:00:00 120 rows