Bahria University,

Karachi Campus

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LAB EXPERIMENT NO.

**08**

LIST OF TASKS

|  |  |
| --- | --- |
| TASK NO | OBJECTIVE |
| 1 | **Add a view called Managers in the Northwind database that shows only employees that supervise other employees.** |
| 2 | **Create Northwind view called “Products by Category” based on the columns Category Name and ProductName.** |
| 3 | **Create a view that shows a table that list all the publishers and store names using pubs.** |
| 4 | **Create a view that shows a table that list all the authors and store names using pubs.** |
| 5 | **Create a view the amount total amount spends by customers.** |
| 6 | **Create a view for customers shippers’ information.** |

Submitted On:

**24-May-2022**

**Task No 1: Add a view called Managers in the Northwind database that shows only employees that supervise other employees.**

**Solution:**

create view Managers as select a.Firstname+' '+a.Lastname as Employee ,b.Firstname+' '+b.Lastname as Manager from employees a,employees b where a.reportsto=b.employeeidselect \* from Managers

**Output:**

Graphical user interface, text, application, table

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**Task No 2: Create Northwind view called “Products by Category” based on the columns Category Name and ProductName.**

**Solution & Output**create view [Products by Category] as select CategoryName,ProductName from Categories,Products select \* from [Products by Category]

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**Task No 3: Create a view that shows a table that list all the publishers and store names using pubs.**

**Solution & Output**create view [List of Publishers and Stores] as select pub\_name,stor\_name from Publishers,Stores

select \* from [List of Publishers and Stores]

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**Task No 4: Create a view that shows a table that list all the authors and store names using pubs.**

**Solution & Output**

create view [List of Stores and Authors] as select stor\_name ,au\_fname+' '+au\_lname as Author from Stores,Authors

select \* from [List of Stores and Authors]

Table

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**Task No 5: Create a view the amount total amount spends by customers.**

**Solution & Output**

create view CustomersTotalAmountSpend as select Customer,AmountSpend from (select ContactName as Customer,orderid from Customers inner join orders on customers.customerid=orders.customerid)table1 inner join (select orderid,sum(quantity\*unitprice) as AmountSpend from orderdetails group by orderid)Table2 on table2.orderid=table1.orderid

Table

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**Task No 6: Create a view for customers shippers’ information.**

**Solution & Output**

create view CustomerShipperInfo as select contactname as customer ,shipperid,shipname,shippers.companyname,shippers.phone from customers left join orders on customers.customerid=orders.customerid left join shippers on orders.shipvia=shippers.shipperid  
select \* from CustomerShipperInfo

Table

Description automatically generated