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

**Solution:**

create view Manager as

select a.FirstName+' '+a.LastName as Employee,b.FirstName+' '+b.LastName as Manager from Employees a inner join Employees b on a.EmployeeID=b.ReportsTo

**Output:**

A picture containing text, screenshot, software, number

Description automatically generated

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

**Solution:**

create view [Products by Category] AS

SELECT Categories.CategoryName, Products.ProductName

FROM Categories INNER JOIN Products ON Categories.CategoryID = Products.CategoryID WHERE Products.Discontinued <> 1

**Output:**

A picture containing text, screenshot, number, font

Description automatically generated

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

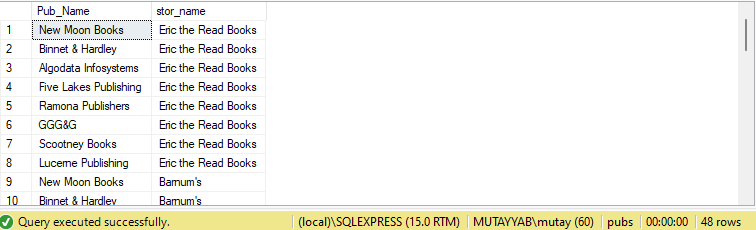
**Solution:**

create view [List of Publishers and Stores] as

select [Pub\_Name],[stor\_name] from Publishers,Stores

**Output:**

select \* from [List of Publishers and Stores]

****

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

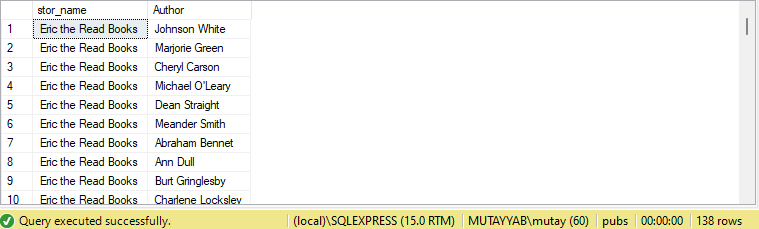
**Solution:**

create view [List of Stores and Authors] as

select stor\_name ,au\_fname+' '+au\_lname as Author from Stores,Authors

**Output:**

select \* from [List of Stores and Authors]

****

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

**Solution:**

create view CustomersTotalAmountSpend as

select Customer,AmountSpend from

(select ContactName as Customer,orderid from Customers inner join orders

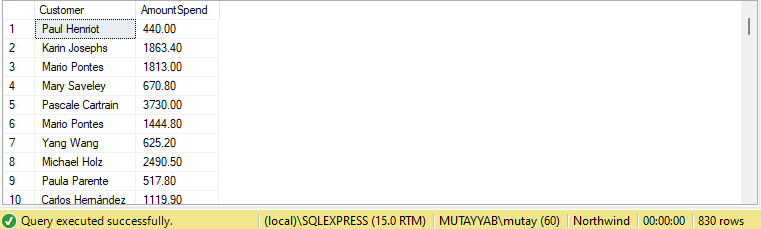
on customers.customerid=orders.customerid)table1 inner join

(select orderid,sum(quantity\*unitprice) as AmountSpend from [Order Details]

group by orderid)Table2 on table2.orderid=table1.orderid

**Output:**

select \* from CustomersTotalAmountSpend



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

**Solution:**

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

**Output:**

select \* from CustomerShipperInfo

