Assignment 4: Create Stored procedure in Northwind database to insert or update a record in a table

Query: Create a stored procedure in the Northwind database that will calculate the average value of Freight for a specified customer.Then, a business rule will be added that willbe triggered before every Update and Insert command in the Orders controller,and will use the stored procedure to verify that the Freight does not exceed the averagefreight. If it does, a message will be displayed and the command will be cancelled.

Sol: CREATE PROC insert\_orders

@customerid NCHAR(5), @Freight MONEY

AS

BEGIN

DECLARE @avgfreight MONEY

SELECT @avgfreight = AVG(Freight) FROM Orders GROUP BY CustomerID HAVING CustomerID = @customerid;

IF @Freight > @avgfreight

BEGIN

PRINT 'Freight value is greater than average value';

RETURN

END

END

EXEC insert\_orders 'ALFKI',50

Query:2 write a SQL query to Create Stored procedure in the Northwind database to retrieve Employee Sales by Country

Sol: create proc spemployeesalesbycountry

as

begin

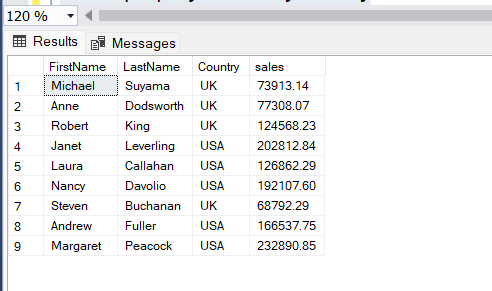
select e.FirstName,e.LastName,e.Country,sum(Subtotal) as sales from [Orders] o join [Order Subtotals] od on o.OrderID=od.OrderID join

Employees e on o.EmployeeID=e.EmployeeID

group by e.Country,e.FirstName,e.LastName

end

exec spemployeesalesbycountry



Query:3 write a SQL query to Create Stored procedure in the Northwind database to retrieve Sales by Year.

Sol: create proc spsales\_by\_year

as

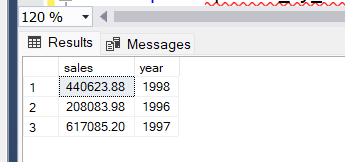
begin

select sum(od.Subtotal) as sales ,YEAR(orderdate) as year from orders o join [Order Subtotals] od on o.OrderID=od.OrderID

group by YEAR(orderdate)

end

exec spsales\_by\_year



Query:4) write a SQL query to Create Stored procedure in the Northwind database to retrieve Sales By Category

Sol: create proc spsales\_by\_category

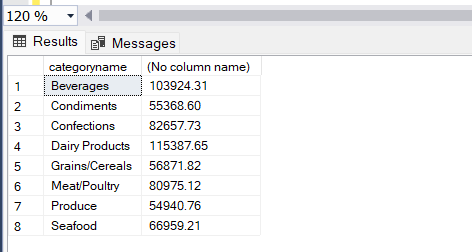
as

begin

select categoryname,sum(productsales) from [Sales by Category] group by CategoryName

end

exec spsales\_by\_category



Query:5)write a SQL query to Create Stored procedure in the Northwind database to retrieve Ten Most Expensive Products

Sol: create proc sptop\_10\_most\_expensive\_prd

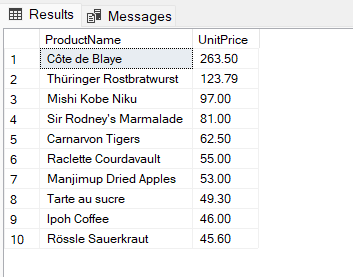
as

begin

select top 10 ProductName,UnitPrice from Products order by UnitPrice desc

end

exec sptop\_10\_most\_expensive\_prd



Query:6) write a SQL query to Create Stored procedure in the Northwind database to insert Customer Order Details.

Sol: create proc spcustomer\_order\_details

@orderid int,@productid int,@unitprice money,@quantity smallint,@discount real

as

begin

insert into [Order Details] values (@orderid ,@productid ,@unitprice,@quantity ,@discount)

end

spcustomer\_order\_details 10456,66,45.87,13,0

Query:7) write a SQL query to Create Stored procedure in the Northwind database to insert Customer Order Details.

Sol: create proc spupdate\_order\_detail

@orderid int,@unitprice money,@quantity smallint,@discount real

as

begin

update [Order Details] set UnitPrice=@unitprice,Quantity=@quantity,Discount=@discount where orderid=@orderid

end

spupdate\_order\_detail 10456,35.90,35,0.25