

ASSIGNMENT-1

Profile the following table in the Northwind Traders database.

Table	Type	Row Count	Business Key	One Row Is
Employees	Master Data	9	None (PK used)	An employee
Employee Territories	Business Process	49	None (PK used)	An employee assigned to a territory.
Customers	Master Data	91	None (PK used)	A Customer
Suppliers	Master Data	29	None (PK used)	A Supplier
Products	Master Data	29	None (PK used)	A Supplier
Shipments (of Orders)	Business Process	830	None (PK used)	Shipment detail of order by customer
Details (of an Order)	Business Process	2155	None (PK used)	Order detail which describes product sold

SQL Queries:

1. List the customer contact names and titles sorted by company name.

```
select CompanyName, ContactName, ContactTitle
From Customers
Order by CompanyName;
```

Data profiling 1.sql...d (AD\rsingh37 (59))

```

select CompanyName, ContactName, ContactTitle
from Customers
order by CompanyName;

```

100 %

	CompanyName	ContactName	ContactTitle
1	Alfreds Futterkiste	Maria Anders	Sales Representative
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Owner
3	Antonio Moreno Taquería	Antonio Moreno	Owner
4	Around the Horn	Thomas Hardy	Sales Representative
5	Berglunds snabbköp	Christina Berglund	Order Administrator
6	Blauer See Delikatessen	Hanna Moos	Sales Representative
7	Blondesddsl père et fils	Frédérique Citeaux	Marketing Manager
8	Bólido Comidas preparadas	Marta Sommer	Owner

2. Factoring in discounts, what is total amount of product sold?

```

select ProductID, sum(UnitPrice*(1-Discount)*Quantity) as [Total Amount]
from [Order Details]
Group By ProductID;

```

SQLQuery3.sql - ist...(AD\rsingh37 (55))

```

select ProductID, sum(UnitPrice*(1-Discount)*Quantity) as [Total Amount]
from [Order Details]
Group By ProductID;

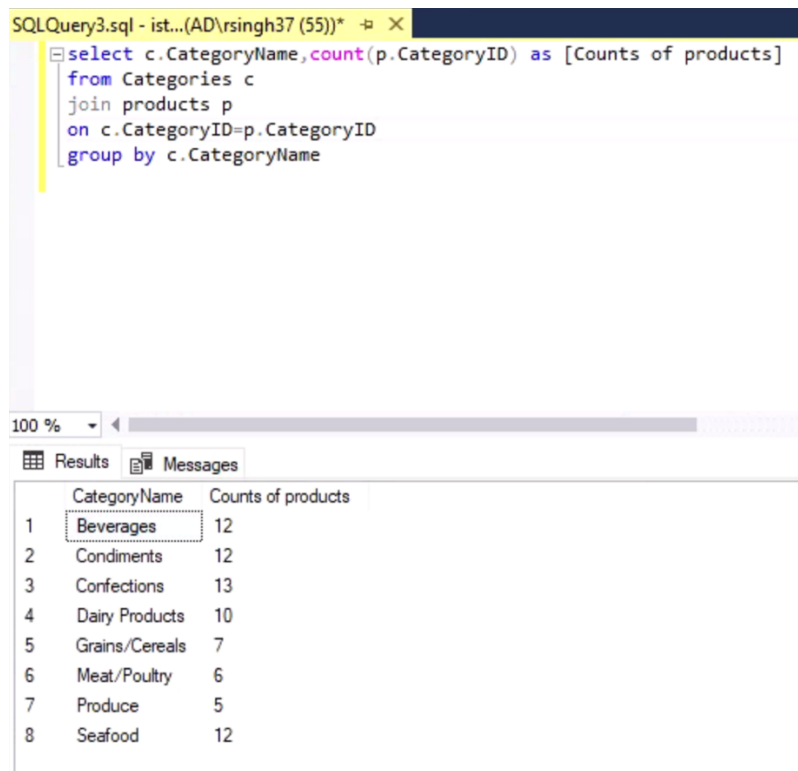
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	ProductID	Total Amount
1	23	4601.69995117188
2	46	5883.00005245209
3	69	21942.3597984314
4	29	80368.6719360352
5	75	8177.4899520874
6	15	1784.82499694824
7	9	7226.5
8	3	3044
9	52	3232.94999885559

3. Provide a list of product category names with counts of products in each category.

```
select c.CategoryName,count(p.CategoryID) as [Counts of products]
from Categories c
join products p
on c.CategoryID=p.CategoryID
group by c.CategoryName
```



The screenshot shows a SQL query window with the following text:

```
SQLQuery3.sql - ist...(AD\rsingh37 (55))* -> X
select c.CategoryName,count(p.CategoryID) as [Counts of products]
from Categories c
join products p
on c.CategoryID=p.CategoryID
group by c.CategoryName
```

Below the query window, the 'Results' tab is active, displaying the following data:

	CategoryName	Counts of products
1	Beverages	12
2	Condiments	12
3	Confections	13
4	Dairy Products	10
5	Grains/Cereals	7
6	Meat/Poultry	6
7	Produce	5
8	Seafood	12

4. Select a specific customer and display that customer's orders with total amount of product sold for each order.

```
select o.OrderID, sum(ord.UnitPrice*ord.Quantity*(1-ord.Discount)) as [Total Amount]
from Orders o
join [Order Details] ord on o.OrderID=ord.OrderID
where o.CustomerID='CHOPS'
group by o.OrderID
```

```

select o.OrderID, sum(ord.UnitPrice*ord.Quantity*(1-ord.Discount)) as [Total Amount]
from Orders o
join [Order Details] ord on o.OrderID=ord.OrderID
where o.CustomerID='CHOPS'
group by o.OrderID

```

100 %

Results Messages

	OrderID	Total Amount
1	10254	556.62003326416
2	10370	1117.60000610352
3	10519	2314.19998168945
4	10731	1890.5
5	10746	2311.70001220703
6	10966	1098.45999145508
7	11029	1286.79998779297
8	11041	1773

5. Select a specific employee and each order, how it was shipped (shipvia), the company who shipped it, and the total number of days elapsed from order date to shipped date.

```

select o.OrderID, o.ShipVia, s.CompanyName, DateDiff(d, o.OrderDate, o.ShippedDate) as
[Total days elapsed]
from Orders o
join Shippers s on o.ShipVia=s.ShipperID
where o.EmployeeID='2'

```

```
select o.OrderID, o.ShipVia, s.CompanyName, DateDiff(d, o.OrderDate, o.ShippedDate) as [Total days elapsed]
from Orders o
join Shippers s on o.ShipVia=s.ShipperID
where o.EmployeeID='2';
```

100 %

Results

Messages

	OrderID	ShipVia	CompanyName	Total days elapsed
1	10265	1	Speedy Express	18
2	10277	3	Federal Shipping	4
3	10280	1	Speedy Express	29
4	10295	2	United Package	8
5	10300	2	United Package	9
6	10307	2	United Package	8
7	10312	2	United Package	10
8	10313	2	United Package	10
9	10327	1	Speedy Express	3