**Assignment 12** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Using the AdventureWorks2012 database for all questions. (10 points)

1. Using the Person.Person table,

a. how many people have a last name that starts with B?

1205

b. Paste query here

select count(per.LastName) 'LastNameStartBCount'

from Person.Person per

where per.LastName like 'b%'

2. Using the Sales.SalesPerson table,

a. how many people receive a bonus higher than $1,000?

11

b. Paste query here.

select count(sp.BusinessEntityID)

from Sales.SalesPerson sp

where sp.Bonus > 1000

3. Using the Sales.salesorderdetail table,

a. How many rows are in the table?

121,317

b. Paste query here

select count(\*)

from Sales.SalesOrderDetail sod

c. How many unique productids are in the table?

266

d. Paste your query here.

select count(distinct sod.ProductID)

from Sales.SalesOrderDetail sod

4. Using the Sales.SalesOrderHeader table. For each salespersonid, show the total amount of Freight. Use an alias of ‘freight’ for your calculated column.

a. Paste your query here.

select distinct soh.SalesPersonID, count(soh.Freight) Freight

from Sales.SalesOrderHeader soh

group by soh.SalesPersonID

b. How many rows does your result set contain?

18

5. Using the Sales.SalesOrderHeader,

a. How many transactions are in the table for the credit card id 1566?

12

b. Paste your query here.

select distinct soh.CreditCardID, count(soh.PurchaseOrderNumber) PurchaseTotal

from Sales.SalesOrderHeader soh

where soh.CreditCardID = 1566

group by soh.CreditCardID

c. How many salespersonid made those creditcard transactions?

2

d. Paste your query here.

select distinct soh.SalesPersonID, count(soh.PurchaseOrderNumber) PurchaseTotal

from Sales.SalesOrderHeader soh

where soh.CreditCardID = 1566

group by soh.SalesPersonID

6. From the Sales.SalesOrderHeader,

a. What is the average freight cost on all sales order?

101.1736

b. Paste your query here.

select AVG(soh.Freight)

from Sales.SalesOrderHeader soh

c. What is the maximum freight cost on all sales order?

5608.9121

d. Paste your query here.

select MAX(soh.Freight)

from Sales.SalesOrderHeader soh

e. What is the mimimum freight cost on all sales order ?

.0344

f. Paste your query here.

select min(soh.Freight)

from Sales.SalesOrderHeader soh

g. In one query, calculate the minimum, maximum and average freight while giving each calculation an alias. Paste your query here. Like page 431.

select min(soh.Freight) 'Minimum Cost', max(soh.Freight) 'Max Cost', avg(soh.Freight) 'Average Cost'

from Sales.SalesOrderHeader soh