# AdventureWorks – Lab Assignment

**For each of the following, write the SQL statement and paste a screenshot of the results: (*Q1 example shown*)**

1. List all products.

SELECT \* FROM [AdventureWorks2019].[Production].[Product]

A screenshot of a computer

Description automatically generated

1. List products that cost more than $50.

SELECT \* From [Production].[Product]

where ListPrice > 50;

A screenshot of a computer

Description automatically generated

1. List finished products.

SELECT \* From [Production].[Product]

where FinishedGoodsFlag = 1;

A screenshot of a computer

Description automatically generated

1. Display the number of finished products.

SELECT COUNT(\*) as FinishedInv

From [Production] . [Product]

Where FinishedGoodsFlag = 1;

A screenshot of a computer

Description automatically generated

1. Display the average price for the men's medium size mountain bikes.

SELECT AVG(ListPrice) as [AvgMensMBike]

FROM [AdventureWorks2022] . Production . Product

where ProductSubcategoryID = 1 and Class = 'M'

A screenshot of a computer

Description automatically generated

1. Display the name of the most expensive product.

Select top 1 [Name]

From [Production] . Product

order by ListPrice desc

A screenshot of a computer

Description automatically generated

1. Display the name of the most profitable product.

Select Top 1 [Name],[ListPrice] - [Standardcost] As UnitProfit

From Production . Product

Order by UnitProfit Desc

A screenshot of a computer

Description automatically generated

1. Display the average price of all products.

Select AVG(Listprice)

From Production . Product

A screenshot of a computer

Description automatically generated

1. Display the helmet products.

Select \* From Production . Product

where ProductSubcategoryID = 31

A screenshot of a computer

Description automatically generated

1. Display the number of customers.

Select Count(\*) as [CustomerCount]

From Sales . Customer

-A screenshot of a computer

Description automatically generated

1. List the number of orders for each customer.

Select Customerid , COUNT(SalesOrderID) As [OrderAmount]

From Sales . SalesOrderHeader

Group by Customerid

Order by OrderAmount Desc

A screenshot of a computer

Description automatically generated

1. List the customers who have made more than 3 orders.

Select Customerid , COUNT(SalesOrderID) As [OrderAmount]

From Sales . SalesOrderHeader

Group by Customerid

Having COUNT(SalesOrderid) > 3

Order by OrderAmount asc

A screenshot of a computer

Description automatically generated

1. List the dollar value of customer orders made in June 2011 (Hint: Use MONTH/YEAR function).

Select Sum(TotalDue) As TotalMade

from sales . SalesOrderHeader

Where Month(OrderDate) = 6

And YEAR(OrderDate) = 2011

A screenshot of a computer

Description automatically generated