**Assignment instructions**

Use the Adventure Works database for this assignment.

Write SQL queries to perform the following tasks:

a) Retrieve all customers from the "SalesLT.Customer" table.

b) Retrieve all products from the "Production.Product" table where the color is 'Red'.

c) Retrieve all orders from the "SalesLT.SalesOrderHeader" table where the order date is between '2019-01-01' and '2020-12-31'.

d) Retrieve all employees from the "HumanResources.Employee" table whose job title contains the word 'Manager'.

e) Retrieve all products from the "Production.Product" table and sort them in ascending order based on their list price.

f) Retrieve all orders from the "SalesLT.SalesOrderHeader" table and sort them in descending order based on the total due amount.

Write the SQL queries in a text file and include comments to explain each query.

**Questions for this assignment**

Retrieve all customers from the "Sales.Customer" table.

Insert your answer here:

Retrieve all products from the "Production.Product" table where the color is 'Red'

Insert your answer here:

Retrieve all orders from the "SalesLT.SalesOrderHeader" table where the order date is between '2014-01-01' and '2020-12-31'

Insert your answer here:

Retrieve all employees from the "HumanResources.Employee" table whose job title contains the word 'Manager'.

Insert your answer here:

Retrieve all products from the "Production.Product" table and sort them in ascending order based on their list price.

Insert your answer here:

Retrieve all orders from the "Sales.SalesOrderHeader" table and sort them in descending order based on the total due amount.

Insert your answer here:

**How did you do?**

Compare the instructor's example to your own

**Instructor example**



[Trevoir Williams](https://www.udemy.com/user/trevoirwilliams/)

Retrieve all customers from the "Sales.Customer" table.

SELECT \*

FROM Sales.Customer;

Retrieve all products from the "Production.Product" table where the color is 'Red'

SELECT \*

FROM Production.Product

WHERE Color = 'Red';

Retrieve all orders from the "SalesLT.SalesOrderHeader" table where the order date is between '2014-01-01' and '2020-12-31'

SELECT \*

FROM Sales.SalesOrderHeader

WHERE OrderDate BETWEEN '2014-01-01' AND '2020-12-31';

Retrieve all employees from the "HumanResources.Employee" table whose job title contains the word 'Manager'.

SELECT \*

FROM HumanResources.Employee

WHERE JobTitle LIKE '%Manager%';

Retrieve all products from the "Production.Product" table and sort them in ascending order based on their list price.

SELECT \*

FROM Production.Product

ORDER BY ListPrice ASC;

Retrieve all orders from the "Sales.SalesOrderHeader" table and sort them in descending order based on the total due amount.

SELECT \*

FROM SalesLT.SalesOrderHeader

ORDER BY TotalDue DESC;