**Section : 03**

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**Challenge 1: Retrieve Customer Data**

**Que 1:**

--Retrieve customer Data

SELECT \* FROM AdventureWorksLT2012.SalesLT.Customer;

**Que 2 :**

--Retrieve Customer Name Data

SELECT Title,

FirstName,

Middlename,

LastName,

Suffix

FROM AdventureWorksLT2012.SalesLT.Customer;

**Que 3:**

--Retrieve customer names and phone numbers

SELECT SalesPerson,

Title+' '+FirstName AS "CustomerName",

Phone

FROM AdventureWorksLT2012.SalesLT.Customer;

**Challenge 2: Retrieve Customer and Sales Data**

**Que 1:**

--Retrieve a list of customer companies

SELECT CAST(CustomerID AS NVARCHAR(10))+': '+CompanyName AS "CustomerCompany"

FROM AdventureWorksLT2012.SalesLT.Customer;

**Que 2:**

--Retrieve a list of customer companies

SELECT SalesOrderNumber + ' ('+ CAST(RevisionNumber AS NVARCHAR(10)) + ')' AS "SalesOrderRevision"

FROM AdventureWorksLT2012.SalesLT.SalesOrderHeader;

**Challenge 3: Retrieve Customer Contact Details**

**Que 1:**

--Retrieve a list of customer contact names

SELECT CASE ISNULL(MiddleName, 'Blank')

WHEN 'Blank'

THEN FirstName+' '+LastName

ELSE FirstName+' '+MiddleName+' '+LastName

END AS " CustomerContactName"

FROM AdventureWorksLT2012.SalesLT.Customer;

**Que 2:**

--Retrieve primary contact details

SELECT CustomerID,

COALESCE(EmailAddress, Phone) AS "PrimaryContact"

FROM AdventureWorksLT2012.SalesLT.Customer;

OR

SELECT CustomerID,

CASE ISNULL(EmailAddress, 'Blank')

WHEN 'Blank'

THEN Phone

ELSE EmailAddress

END AS "PrimaryContact"

FROM AdventureWorksLT2012.SalesLT.Customer;

**Que 3:**

--Retrieve shipping status

SELECT SalesOrderID,

CAST(OrderDate AS DATE) AS OrderDate,

CASE ISNULL(CAST(ShipDate AS NVARCHAR(25)), 'Blank')

WHEN 'Blank'

THEN 'Awaiting Shipment'

ELSE 'Shipped'

END AS ShippingStatus

FROM AdventureWorksLT2012.SalesLT.SalesOrderHeader;