Using the AdventureWorks2019 database, create a list of employees that will include:

* BusinessEntityID
* Title
* First Name
* Middle Name
* Last Name
* Suffix
* Job Title
* Phone Number
* Phone Number Type
* Email Address
* Email Promotion
* Address
* City
* State Province Name
* Postal Code
* Country Region Name
* Additional Contact Information

Assume we may not have a phone number or email address on record for everyone (but we would still like to include them in the report.

You will need to use the following tables:

* HumanResources.Employee
* Person.Person
* Person.BusinessEntityAddress
* Person.Address
* Person.StateProvince
* Person.CountryRegion
* Person.PersonPhone
* Person.PhoneNumberType
* Person.EmailAddress

Determine how these tables can be joined and the proper type of join needed for each join.

use AdventureWorks2019

SELECT

e.BusinessEntityID,

p.Title,

p.FirstName,

p.MiddleName,

p.LastName,

p.Suffix,

e.JobTitle,

ph.PhoneNumber,

pt.Name AS PhoneNumberType,

ea.EmailAddress,

a.AddressLine1 + ' ' + a.AddressLine2 AS Address,

a.City,

sp.Name AS StateProvinceName,

a.PostalCode,

cr.Name AS CountryRegionName,

p.AdditionalContactInfo

FROM HumanResources.Employee e

INNER JOIN Person.Person p ON e.BusinessEntityID = p.BusinessEntityID

LEFT JOIN Person.BusinessEntityAddress bea ON e.BusinessEntityID = bea.BusinessEntityID

LEFT JOIN Person.Address a ON bea.AddressID = a.AddressID

LEFT JOIN Person.StateProvince sp ON a.StateProvinceID = sp.StateProvinceID

LEFT JOIN Person.CountryRegion cr ON sp.CountryRegionCode = cr.CountryRegionCode

LEFT JOIN Person.PersonPhone ph ON e.BusinessEntityID = ph.BusinessEntityID

LEFT JOIN Person.PhoneNumberType pt ON ph.PhoneNumberTypeID = pt.PhoneNumberTypeID

LEFT JOIN Person.EmailAddress ea ON e.BusinessEntityID = ea.BusinessEntityID;

SELECT e.BusinessEntityID,

p.Title,

p.FirstName,

p.MiddleName,

p.LastName,

p.Suffix,

e.JobTitle,

ph.PhoneNumber,

phn.Name AS PhoneNumberType,

e.EmailAddress,

e.EmailPromotion,

CONCAT(a.AddressLine1, ', ', a.AddressLine2) AS Address,

a.City,

sp.Name AS StateProvinceName,

a.PostalCode,

cr.Name AS CountryRegionName,

p.AdditionalContactInfo

FROM HumanResources.Employee e

JOIN Person.Person p ON e.BusinessEntityID = p.BusinessEntityID

LEFT JOIN Person.BusinessEntityAddress bea ON e.BusinessEntityID = bea.BusinessEntityID

LEFT JOIN Person.Address a ON bea.AddressID = a.AddressID

LEFT JOIN Person.StateProvince sp ON a.StateProvinceID = sp.StateProvinceID

LEFT JOIN Person.CountryRegion cr ON sp.CountryRegionCode = cr.CountryRegionCode

LEFT JOIN Person.PersonPhone ph ON e.BusinessEntityID = ph.BusinessEntityID

LEFT JOIN Person.PhoneNumberType phn ON ph.PhoneNumberTypeID = phn.PhoneNumberTypeID

LEFT JOIN Person.EmailAddress ea ON e.BusinessEntityID = ea.BusinessEntityID;