# Database and Query Design

## Tables

## 

## Common Queries

SELECT Firstname, LastName, Address, ZipPostalCode, Country

WHERE Country = ‘France’

SELECT c.CompanyName, o.OrderDate, oi.Quantity\*oi.SalesPrice AS ‘Price’, i.Name as ‘Item’

FROM Customer c

JOIN

Order o

ON

c.CustomerID=o.CustomerID

JOIN OrderItem oi

ON o.OrderID=oi.OrderID

JOIN

Item i

ON oi.ItemID=i.ItemID

WHERE c.CompanyName=’Contoso’

|  |  |
| --- | --- |
| Salesperson | |
| Clustered Index | Non-Clustered Index |
| EmployeeID | FirstName |
|  | LastName |
|  | ZipPostalCode |
|  | Address |
|  | Country |

|  |  |
| --- | --- |
| Customer | |
| Clustered Index | Non-Clustered Index |
| CustomerID | CompanyName |

|  |  |
| --- | --- |
| Order | |
| Clustered Index | Non-Clustered Index |
| OrderID | EmployeeID |
|  | CustomerID |
|  | OrderDate |

|  |  |
| --- | --- |
| OrderItem | |
| Clustered Index | Non-Clustered Index |
| OrderID | Quantity |
| ItemID | SalesPrice |

|  |  |
| --- | --- |
| Item | |
| Clustered Index | Non-Clustered Index |
| ItemID | Name |
|  | SupplierID |