

# Database

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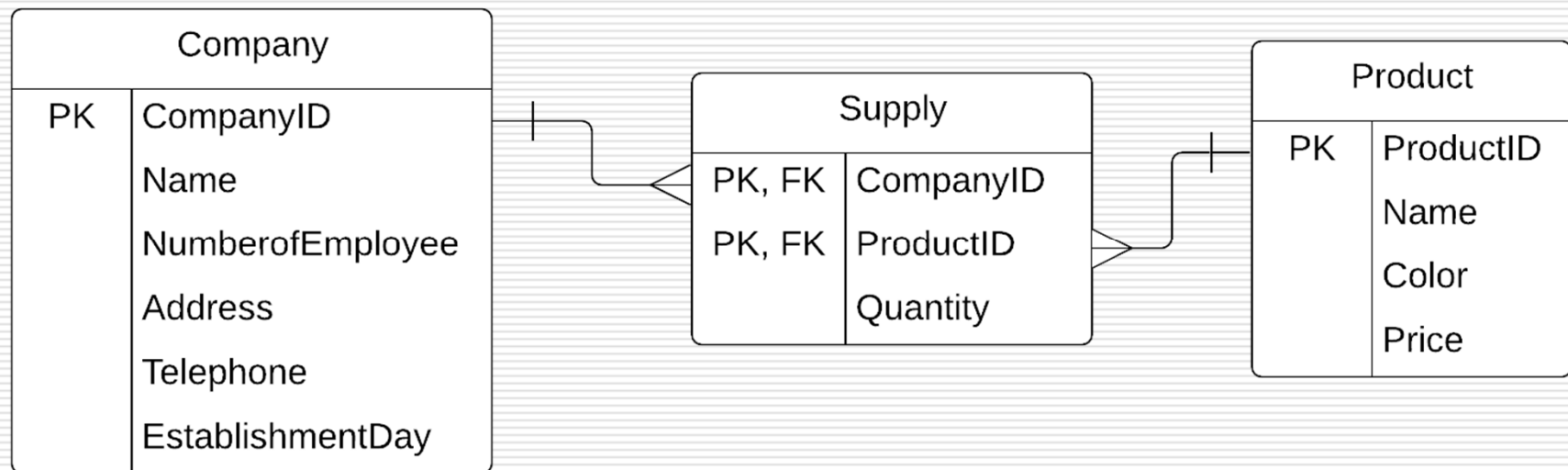
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## □ An Entity Relationship Diagram



# Code for mysql

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```
CREATE DATABASE `CompanySupplyProduct` ;
```

```
CREATE TABLE `Company` (  
  `CompanyID` SMALLINT AUTO_INCREMENT,  
  `Name` CHARACTER VARYING(35),  
  `NumberOfEmployee` SMALLINT,  
  `Address` CHARACTER VARYING(100),  
  `Telephone` CHARACTER(14),  
  `EstablishmentDay` DATE,  
  PRIMARY KEY (`CompanyID` )  
);
```

# Code for mysql

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```
CREATE TABLE `Product` (  
  `ProductID` SMALLINT AUTO_INCREMENT,  
  `Name` CHARACTER VARYING(35),  
  `Color` CHARACTER(12),  
  `Price` DECIMAL(9,2),  
  PRIMARY KEY (`ProductID`)  
);
```

```
CREATE TABLE `Supply` (  
  `CompanyID` SMALLINT NOT NULL,  
  `ProductID` SMALLINT NOT NULL,  
  `Quantity` SMALLINT,  
  PRIMARY KEY (`CompanyID`, `ProductID`),  
  FOREIGN KEY (`CompanyID`) REFERENCES  
  `Company` (`CompanyID`),  
  FOREIGN KEY (`ProductID`) REFERENCES  
  `Product` (`ProductID`)  
);
```

# Code for SQL Server

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```
CREATE DATABASE CompanySupplyProduct;
```

```
CREATE TABLE [Company] (  
    [CompanyID] int IDENTITY(1,1),  
    [Name] varchar(40),  
    [NumberOfEmployee] int,  
    [Address] varchar(50),  
    [Telephone] char(15),  
    [EstablishmentDay] date,  
    PRIMARY KEY ([CompanyID])  
);
```

```
CREATE TABLE [Product] (  
    [ProductID] int IDENTITY(1,1),  
    [Name] varchar(40),  
    [Color] char(14),  
    [Price] decimal(10,2),  
    PRIMARY KEY ([ProductID])  
);
```

# Code for SQL Server

---

```
CREATE TABLE [Supply] (  
    [CompanyID] int,  
    [ProductID] int,  
    [Quantity] int,  
    PRIMARY KEY([CompanyID],[ProductID]),  
    FOREIGN KEY ([CompanyID]) REFERENCES [Company]([CompanyID]),  
    FOREIGN KEY ([ProductID]) REFERENCES [Product]([ProductID])  
);
```

