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--ALTER TABLE Blend
--DROP CONSTRAINT FK_Blend_Grape;

--ALTER TABLE Bottle
--DROP CONSTRAINT Bottle_FK;

--ALTER TABLE Certification
--DROP CONSTRAINT Cert_FK;

--ALTER TABLE Corporate
--DROP CONSTRAINT Corp_FK;

--ALTER TABLE DriverEmployee
--DROP CONSTRAINT DEmp_FK;

--ALTER TABLE Employee
--DROP CONSTRAINT Manager_FK;

--ALTER TABLE EventOrder
--DROP CONSTRAINT EventOrder_FK1;

--ALTER TABLE EventOrder
--DROP CONSTRAINT EventOrder_FK2;

--ALTER TABLE Food
--DROP CONSTRAINT Food_FK;

--ALTER TABLE Grape
--DROP CONSTRAINT Grape_FK;

--ALTER TABLE Harvest
--DROP CONSTRAINT Harvest_FK;

--ALTER TABLE Individual
--DROP CONSTRAINT Indiv_FK;

--ALTER TABLE InternEmployee
--DROP CONSTRAINT IEmp_FK;

--ALTER TABLE Order_T
--DROP CONSTRAINT Order_FK;

--ALTER TABLE OrderLine
--DROP CONSTRAINT OrderLine_FK1;

--ALTER TABLE OrderLine
--DROP CONSTRAINT OrderLine_FK2;

--ALTER TABLE Payment
--DROP CONSTRAINT Payment_FK;

--ALTER TABLE PurchaseOrder
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--DROP CONSTRAINT PO_FK1;

--ALTER TABLE PurchaseOrder
--DROP CONSTRAINT PO_FK2;

--ALTER TABLE RentalOrder
--DROP CONSTRAINT RentalOrder_FK1;

--ALTER TABLE RentalOrder
--DROP CONSTRAINT RentalOrder_FK2;

--ALTER TABLE VintnerEmployee
--DROP CONSTRAINT VEmp_FK;

--ALTER TABLE WineProduct
--DROP CONSTRAINT Wine_FK1;

--ALTER TABLE WineProduct
--DROP CONSTRAINT Wine_FK2;

--ALTER TABLE WineProduct
--DROP CONSTRAINT Wine_FK3;

--Drop Table Blend;

--DROP TABLE Bottle;

--DROP TABLE Certification;

--DROP TABLE Corporate;

--DROP TABLE CottageRoom;

--DROP TABLE Customer;

--DROP TABLE DriverEmployee;

--DROP TABLE Employee;

--DROP TABLE Event;

--DROP TABLE EventOrder;

--DROP TABLE Food;

--DROP TABLE Grape;

--DROP TABLE Harvest;

--DROP TABLE Individual;

--DROP TABLE InternEmployee;
```

```
--DROP TABLE Order_T;  
  
--DROP TABLE OrderLine;  
  
--DROP TABLE Payment;  
  
--DROP TABLE Product;  
  
--DROP TABLE PurchaseOrder;  
  
--DROP TABLE RentalOrder;  
  
--DROP TABLE Vendor;  
  
--DROP TABLE Vineyard;  
  
--DROP TABLE VintnerEmployee;  
  
--DROP TABLE WineProduct;
```

```
CREATE TABLE Employee (  
    EmployeeID Int NOT NULL,  
    ManagerID Int NULL,  
    FirstName varchar(20) NOT NULL,  
    LastName varchar(20) NOT NULL,  
    DateEmployed date NULL,  
    SocialSecurityNumber varchar(11) NOT NULL,  
    BirthDate date NOT NULL,  
    Address1 varchar(40) NOT NULL,  
    Addresss2 varchar(10) NULL,  
    State Char(2) NOT NULL,  
    Zip varchar(10) NOT NULL,  
    Phone varchar(12) NOT NULL,  
    Email varchar(40) NOT NULL,  
    EMC_FirstName varchar(20) NOT NULL,  
    EMC_LastName varchar(20) NOT NULL,  
    EMC_Phone varchar(12) NOT NULL,  
    InitialPay decimal(3,2) NOT NULL,  
    CurrentPay decimal(3,2) NULL,  
    TipsCert bit NOT NULL,  
    TipsCertDate date NOT NULL,  
    PrimaryPosition varchar(40) NOT NULL,  
    SecondaryPosition varchar(40) NULL,  
    CONSTRAINT Employee_PK PRIMARY KEY (EmployeeID),  
    CONSTRAINT Manager_FK FOREIGN KEY (ManagerID) REFERENCES Employee(EmployeeID));
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CREATE TABLE VintnerEmployee (  
    EmployeeID Int NOT NULL,  
    CertLevel varchar(30) NOT NULL,  
    CertDate date NOT NULL,
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    ReCertDate date NULL,
    ReCertResult text NULL,
CONSTRAINT VEmp_PK PRIMARY KEY (EmployeeID),
CONSTRAINT VEmp_FK FOREIGN KEY (EmployeeID) REFERENCES Employee(EmployeeID));

CREATE TABLE DriverEmployee (
    EmployeeID int NOT NULL,
    CDLid int NOT NULL,
    CDL_ExpDate date NOT NULL,
CONSTRAINT DEmp_PK PRIMARY KEY (EmployeeID),
CONSTRAINT DEmp_FK FOREIGN KEY (EmployeeID) REFERENCES Employee(EmployeeID));

CREATE TABLE InternEmployee (
    EmployeeID int NOT NULL,
    Requirement text NOT NULL,
    StartDate date NOT NULL,
    GraduationDate date NOT NULL,
CONSTRAINT IEmp_PK PRIMARY KEY (EmployeeID),
CONSTRAINT IEmp_FK FOREIGN KEY (EmployeeID) REFERENCES Employee(EmployeeID));

CREATE TABLE Certification (
    CertID int NOT NULL,
    EmployeeID int NULL,
    CertName varchar(50) NOT NULL,
CONSTRAINT Cert_PK PRIMARY KEY (CertID),
CONSTRAINT Cert_FK FOREIGN KEY (EmployeeID) REFERENCES Employee(EmployeeID));

CREATE TABLE Vendor (
    VendorID varchar(20) NOT NULL,
    Name varchar(40) NOT NULL,
    Address1 varchar(40) NOT NULL,
    Addresss2 varchar(10) NULL,
    ContactName varchar(20) NULL,
    ContactPhone varchar(10) NULL,
CONSTRAINT Vendor_PK PRIMARY KEY (VendorID));

CREATE TABLE PurchaseOrder (
    VendorID varchar(20) NOT NULL,
    BottleID int NOT NULL,
    Quantity NUMERIC(10,0) NOT NULL,
    Price decimal(3,2) NOT NULL,
CONSTRAINT PO_PK PRIMARY KEY (VendorID, BottleID),
CONSTRAINT PO_FK1 FOREIGN KEY (VendorID) REFERENCES Vendor(VendorID),
CONSTRAINT PO_FK2 FOREIGN KEY (BottleID) REFERENCES Bottle(BottleID));

CREATE TABLE Bottle (
    BottleID int NOT NULL,
    ProductID varchar(20) NOT NULL,
    Size NUMERIC(5,2) NOT NULL,
    GlassType varchar(20) NOT NULL,
    OnHandQuantity NUMERIC(10,0) NOT NULL,
CONSTRAINT Bottle_PK PRIMARY KEY (BottleID),
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CONSTRAINT Bottle_FK FOREIGN KEY (ProductID) REFERENCES WineProduct(ProductID));
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CREATE TABLE WineProduct (  
    ProductID varchar(20) NOT NULL,  
    EmployeeID int NOT NULL,  
    Name varchar(40) NOT NULL,  
    Category varchar(20) NOT NULL,  
    Varietal varchar(20) NOT NULL,  
    Vintage varchar(20) NOT NULL,  
    PercentAlch decimal(2,2) NOT NULL,  
    Price decimal(3,2) NOT NULL,  
    CONSTRAINT Wine_PK PRIMARY KEY (ProductID),  
    CONSTRAINT Wine_FK1 FOREIGN KEY (ProductID) REFERENCES Product(ProductID),  
    CONSTRAINT Wine_FK3 FOREIGN KEY (EmployeeID) REFERENCES Employee(EmployeeID));
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CREATE TABLE Food (  
    ProductID varchar(20) NOT NULL,  
    FoodType varchar(40) NOT NULL,  
    Price decimal(3,2),  
    CONSTRAINT Food_PK PRIMARY KEY (ProductID),  
    CONSTRAINT Food_FK FOREIGN KEY (ProductID) REFERENCES Product(ProductID));
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CREATE TABLE Product (  
    ProductID varchar(20) NOT NULL,  
    SKUID int NULL,  
    ProductType Char Not Null,  
    CONSTRAINT Product_PK PRIMARY KEY (ProductID));
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CREATE TABLE OrderLine (  
    OrderNumber int NOT NULL,  
    ProductID varchar(20) NOT NULL,  
    Quantity NUMERIC(5,0) NOT NULL,  
    SalePrice decimal(3,2) NOT NULL,  
    CONSTRAINT OrderLine_PK PRIMARY KEY (OrderNumber, ProductID),  
    CONSTRAINT OrderLine_FK1 FOREIGN KEY (OrderNumber) REFERENCES Order_T(OrderNumber),  
    CONSTRAINT OrderLine_FK2 FOREIGN KEY (ProductID) REFERENCES Product(ProductID));
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CREATE TABLE Order_T (  
    OrderNumber int NOT NULL,  
    CustomerID int NOT NULL,  
    PlacementDate date NOT NULL,  
    Fulfillment date NOT NULL,  
    Total decimal(6,2) NOT NULL,  
    FulfillmentStatus nvarchar NOT NULL,  
    CONSTRAINT Order_PK PRIMARY KEY (OrderNumber),  
    CONSTRAINT Order_FK FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID));
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```
CREATE TABLE Payment (  
    PaymentID int NOT NULL,  
    OrderNumber int NOT NULL,  
    PaymentType varchar(20) NOT NULL,  
    CONSTRAINT Payment_PK PRIMARY KEY (PaymentID),
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CONSTRAINT Payment_FK FOREIGN KEY (OrderNumber) REFERENCES Order_T(OrderNumber));
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```
CREATE TABLE Customer (  
    CustomerID int NOT NULL,  
    FirstName varchar(20) NOT NULL,  
    LastName varchar(20) NOT NULL,  
    Address1 varchar(40) NOT NULL,  
    Addresss2 varchar(10) NULL,  
    State Char(2) NOT NULL,  
    Zip varchar(10) NOT NULL,  
    Phone varchar(12) NOT NULL,  
    CustomerType char NOT NULL,  
    CONSTRAINT Customer_PK PRIMARY KEY (CustomerID));
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CREATE TABLE Individual (  
    CustomerID int NOT NULL,  
    DateOfBirth date NULL,  
    WinePreference varchar(10) NULL,  
    CONSTRAINT Indiv_PK PRIMARY KEY (CustomerID),  
    CONSTRAINT Indiv_FK FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID));
```

```
CREATE TABLE Corporate (  
    CustomerID int NOT NULL,  
    CompanyName varchar(25) NOT NULL,  
    TAXID varchar(15) NOT NULL,  
    ReSaleLicense int NULL,  
    Discount decimal(2,2) NULL,  
    CONSTRAINT Corp_PK PRIMARY KEY (CustomerID),  
    CONSTRAINT Corp_FK FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID));
```

```
CREATE TABLE RentalOrder (  
    RoomID int NOT NULL,  
    CustomerID int NOT NULL,  
    RentalDate date NOT NULL,  
    NumberOfNights int NULL,  
    CONSTRAINT RentalOrder_PK PRIMARY KEY (RoomID, CustomerID),  
    CONSTRAINT RentalOrder_FK1 FOREIGN KEY (RoomID) REFERENCES CottageRoom(RoomID),  
    CONSTRAINT RentalOrder_FK2 FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID));
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CREATE TABLE CottageRoom (  
    RoomID int NOT NULL,  
    Operational char NOT NULL,  
    PricePerNight decimal(6,2) NOT NULL,  
    CONSTRAINT CottageRoom_PK PRIMARY KEY (RoomID));
```

```
CREATE TABLE EventOrder (  
    CustomerID int NOT NULL,  
    EventID int NOT NULL,  
    StartTime datetime NOT NULL,  
    EndTime datetime NULL,  
    CONSTRAINT EventOrder_PK PRIMARY KEY (CustomerID, EventID),  
    CONSTRAINT EventOrder_FK1 FOREIGN KEY (EventID) REFERENCES Event(EventID),
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```
CONSTRAINT EventOrder_FK2 FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID));
```

```
CREATE TABLE Event (  
    EventID int NOT NULL,  
    EventType varchar(40) NULL,  
    CONSTRAINT Event_PK PRIMARY KEY (EventID));
```

```
--CREATE TABLE Blend (  
--    BlendID int NOT NULL,  
--    GrapeID int NOT NULL,  
--    GrapeProportion decimal(2,2) NOT NULL,  
--    AgingYears int NULL,  
--CONSTRAINT Blend_PK PRIMARY KEY (BlendID));
```

```
CREATE TABLE Grape (  
    GrapeID int NOT NULL,  
    WineProductID varchar(20) NOT NULL,  
    VineyardID int NOT NULL,  
    Varietal varchar(20) NOT NULL,  
    AgingYears int NULL,  
    HarvestDate date NOT NULL,  
    WeightHarvested NUMERIC(10,2),  
    JuiceConvRatio decimal(2,2) NULL,  
    PercentSugar decimal(2,2) NULL,  
    StorageContainer varchar(20) NULL,  
    CONSTRAINT Grape_PK PRIMARY KEY (GrapeID),  
    CONSTRAINT Grape_FK1 FOREIGN KEY (WineProductID) REFERENCES WineProduct(ProductID),  
    CONSTRAINT Grape_FK2 FOREIGN KEY (VineyardID) REFERENCES Vineyard(VineyardID));
```

```
--CREATE TABLE Harvest (  
--    HarvestID int NOT NULL,  
--    VineyardID int NOT NULL,  
--    Date date NOT NULL,  
--    Varietal varchar(20) NOT NULL,  
--    Weight NUMERIC(10,0) NULL,  
--CONSTRAINT Harvest_PK PRIMARY KEY (HarvestID),  
--CONSTRAINT Harvest_FK FOREIGN KEY (VineyardID) REFERENCES Vineyard(VineyardID));
```

```
CREATE TABLE Vineyard (  
    VineyardID int NOT NULL,  
    Name varchar(50) NOT NULL,  
    Address1 varchar(40) NOT NULL,  
    State Char(2) NOT NULL,  
    Zip varchar(10) NOT NULL,  
    Phone varchar(12) NOT NULL,  
    Addresss2 varchar(10) NULL,  
    Acres int NOT NULL,  
    VarietalPlanted NUMERIC(5,2) NULL,  
    CONSTRAINT Vineyard_PK PRIMARY KEY (VineyardID));
```