drop database PortDB;

Create database PortDB

Create table CargoType(

Id int identity(1,1) Primary Key,

TypeName nvarchar(30) not null);

Create table City(

Id int identity(1,1) Primary Key,

Name nvarchar(50) not null);

Create table Captain(

Id int identity(1,1) Primary Key,

FirstName nvarchar(50) not null,

LastName nvarchar(50) not null)

Create table Port(

Id int identity(1,1) Primary Key,

Name nvarchar(50) not null,

CityId int,

Foreign Key (CityId) REFERENCES City(Id) on delete set null

);

Create table Ship(

Id int identity(1,1) Primary key ,

Number nvarchar(50) not null,

Capacity int not null,

CreateDate date not null,

MaxDistance int not null,

TeamCount int not null,

PortId int,

CaptainId int,

Foreign Key (PortId) REFERENCES Port(Id) on delete set null ,

Foreign Key (CaptainId) REFERENCES Captain(Id) on delete set null

)

Create table Trip(

Id int identity(1,1) Primary Key,

ShipId int,

StartDate date not null,

EndDate date not null,

PortFromId int,

PortToId int,

Foreign Key (PortFromId) REFERENCES Port(Id) ON DELETE NO ACTION,

Foreign Key (PortToId) REFERENCES Port(Id) ON DELETE NO ACTION,

Foreign Key (ShipId) REFERENCES Ship(Id) ON DELETE NO ACTION,

)

Create table Cargo(

Id int identity(1,1) primary key,

Number int not null,

CargoTypeId int,

Weight int not null,

TripId int,

Price money not null,

InsurancePrice money not null,

Foreign Key (TripId) REFERENCES Trip(Id) on delete set null,

Foreign Key (CargoTypeId) REFERENCES CargoType(Id) on delete set null

)