Database

2009253072 백영빈

Create table Customer (

CustomerID char(8) primary key,

CustomerPS varchar(20) not null,

CustomerName varchar(20) not null,

Age numeric(3,0),

Address\_Main varchar(30) not null,

Address\_Sub varchar(30),

Address\_Number 1 numeric(4,0),

Address\_Number2 numeric(4,0),

Phone\_number varchar(15),

Level char(1) not null,

Mileage numeric(20,0),

Check ( CustomerID length > 5),

Check ( CustomerPS length > 5),

Check ( CustomerName length > 1),

Check ( Address\_Main 은 not null),

Check ( Phone\_number 은 not null),

)

Create table Airport\_Manager (

ManagerID char(8) primary key,

ManagerPS varchar(20) not null,

ManagerName varchar(20) not null,

Check ( ManagerID length > 5),

Check ( ManagerPS length > 5),

Check ( ManagerName length > 1),

)

Create table Airport\_Employee (

EmployeeID char(8) primary key,

EmployeePS varchar(20) not null,

EmployeeName varchar(20) not null,

Check ( EmployeeID length > 5),

Check ( EmployeePS length > 5)

Check ( EmployeeName length > 1)

)

Create table Travel\_Agency (

AgencyID char(8) primary key,

AgencyPS varchar(20) not null,

AgencyName varchar(20) not null,

Check (AgencyID length > 5),

Check (AgencyPS length > 5 )

Check (AgencyName length > 1)

)

Create table Flight (

Plane\_Number varchar(10) primary key, not null,

Origin varchar(10) not null,

Destination varchar(10) not null,

Date varchar(15) not null,

Lead\_time varchar(10) not null,

Cost numeric(10, 0) not null,

Sale varchar(4),

Class varchar(8), not null,

LeftSeat numeric(3), not null,

Check ( LeftSeat >=0 )

Check ( Class = { First\_class, business\_class, economi\_class }

)

Create table Ticket (

Ticket\_ID varchar(10) primary key, not null

Plane\_Number

Destination

Date

Class

Lead\_time

Check ( Class = { First\_class, business\_class, economi\_class }

Check ( Plane\_Number, Destination, Date, Class, Lead\_time is weak entity about Flight)

)

Create table Customer\_Reservation(

CustomerID

Ticket\_ID

Check ( CustomerID is weak entity about Customer )

Check ( Ticket\_ID is weak entity about Ticket )

)

Create table Agency\_Reservation(

AgencyID

Ticket\_ID

Check (AgencyID is weak entity about Travel\_Agency )

Check ( Ticket\_ID is weak entity about Ticket )

)

Create table Customer\_Cart

(

CustomerID

Plane\_Number

Check ( CustomerID is weak entity about Customer )

Check ( Plane\_Number is weak entity about Customer )

)

Create table Agency\_Cart

(

AgencyID

Plane\_Number

Check ( AgencyID is weak entity about Travel\_Agency )

Check ( Plane\_Number is weak entity About Travel\_Agency )

)