use esenlerairport

--CREATE DATABASE EsenlerAirport

/\*DROP TABLE Firm

DROP TABLE ControlTower

DROP TABLE Runway

DROP TABLE [Route]

DROP TABLE AirplaneModel

DROP TABLE Vehicle

DROP TABLE Airplane

DROP TABLE Personnel

DROP TABLE Pilot

DROP TABLE Hangar

DROP TABLE Flight\*/

CREATE TABLE Firm(

FirmID tinyint, --Airways 255, others 100-200

Firm nvarchar(25) NOT NULL,

NrOfPersonnel int,

Branch nvarchar(20) NOT NULL,

CONSTRAINT pk\_Firm PRIMARY KEY (FirmID)

)

CREATE TABLE ControlTower(

TowerID char(3),

NrOfPersonnel tinyint,

Height smallint,

NrOfFloor tinyint,

CONSTRAINT pk\_ControlTower PRIMARY KEY (TowerID)

)

CREATE TABLE Runway(

RunwayID char(7),

[Length] smallint NOT NULL,

Width tinyint,

RunwayName nvarchar(15),

SurfaceTexture nvarchar(15),

CONSTRAINT pk\_Runway PRIMARY KEY (RunwayID)

)

CREATE TABLE [Route](

RouteID char(9),

PlaceOfDeparture char(4) NOT NULL,

PlaceOfLanding char(4) NOT NULL,

Distance smallint,

FlightTime tinyint,

CONSTRAINT pk\_Route PRIMARY KEY (RouteID)

)

CREATE TABLE AirplaneModel (

ModelID tinyint IDENTITY(1,1),

ModelName nvarchar(35) NOT NULL,

ReleaseDate date NOT NULL,

NrOfEngine tinyint,

MaxSpeed smallint,

MaxAltitude int,

PassengerCapacity int NOT NULL,

[Lenght] tinyint,

Width tinyint,

FuelCapacity int,

CONSTRAINT pk\_AirplaneModel PRIMARY KEY (ModelID),

CONSTRAINT uq\_ModelName UNIQUE (ModelName)

)

CREATE TABLE Vehicle (

VehicleID tinyint,

VehicleType nvarchar(25) NOT NULL,

LoadCapacity smallint,

SeatCapacity tinyint,

RunwayID char(7),

ParkingLot nvarchar(11)

CONSTRAINT pk\_Vehicle PRIMARY KEY (VehicleID)

CONSTRAINT fk\_runway FOREIGN KEY (RunwayID) REFERENCES Runway(RunwayID)

)

CREATE TABLE Airplane(

PlaneID char(9),

PlaneName nvarchar(15),

LastMaintenanceDate date,

LastMaintenancePlace char(4),

ProductionDate date NOT NULL,

ModelID tinyint,

FirmID tinyint

CONSTRAINT pk\_Airplane PRIMARY KEY (PlaneID)

CONSTRAINT fk\_AirplaneModel FOREIGN KEY (ModelID) REFERENCES AirplaneModel(ModelID),

CONSTRAINT fk\_Firm FOREIGN KEY (FirmID) REFERENCES Firm(FirmID)

)

CREATE TABLE Personnel(

PersonnelID char(7),

PersonnelName nvarchar(15) NOT NULL,

PersonnelMiddleName nvarchar(15),

PersonnelLastName nvarchar(25) NOT NULL,

TCNo char(11) NOT NULL,

PostCode char(5),

ContactNumber char(10) NOT NULL,

MailAdress nvarchar(255), --varchar mı nvarchar mı?

EducationLevel nvarchar(40),

Gender nvarchar(6), --M W olabilir. Constraint ile atanabilir. Bi de neden nvarchar? varchar olması gerekiyor.

DateOfBirth date,

WorkPlace nvarchar(40),

[Status] nvarchar(40),

FirmID tinyint,

Salary smallmoney,

MarriageStatus bit, --Status bit olmaz. Married yazıp true false diyebiliriz.

CONSTRAINT pk\_Personnel PRIMARY KEY (PersonnelID),

CONSTRAINT fk\_FirmOfPersonnel FOREIGN KEY (FirmID) REFERENCES Firm(FirmID)

)

CREATE TABLE Pilot(

PilotID char(7),

PersonnelID char(7)

CONSTRAINT pk\_Pilot PRIMARY KEY (PilotID),

CONSTRAINT fk\_Personnel FOREIGN KEY (PersonnelID) REFERENCES Personnel(PersonnelID)

)

CREATE TABLE Hangar(

HangarID tinyint,

NumberOfPersonnel tinyint,

PlaneID char(9)

CONSTRAINT pk\_Hangar PRIMARY KEY (HangarID),

CONSTRAINT fk\_Plane FOREIGN KEY (PlaneID) REFERENCES Airplane(PlaneID)

)

CREATE TABLE Flight (

FlightID char(7),

FlightDate datetime,

GateNumber char(3),

PlannedDepartureTime time,

PlannedLandingTime time,

RealTimeDeparture time,

RealTimeLanding time,

NumberOfPassengers smallint,

RouteID char(9),

RunwayID char(7),

TowerID char(3),

FirmID tinyint,

PlaneID char(9),

PilotID char(7),

CONSTRAINT pk\_Flight PRIMARY KEY (FlightID)

)

-- ALTER TABLES

ALTER TABLE Personnel DROP COLUMN MarriageStatus

ALTER TABLE Vehicle DROP COLUMN SeatCapacity

ALTER TABLE Vehicle ADD PeopleCapacity tinyint

ALTER TABLE Hangar ADD Sizem2 tinyint

ALTER TABLE Personnel ALTER COLUMN Gender char(1)

ALTER TABLE Airplane ADD WorkingStatus varchar(3) DEFAULT 'Yes'

-- Bir Alter Insert'lerden sonra yer alıyor (Doğru çalışması adına)

-- INSERTS

INSERT INTO Firm(FirmID, Firm, NrOfPersonnel, Branch) VALUES

(201, 'Turkish Airlines', 36461, 'Havayolu'),

(202, 'SunExpress', 4282, 'Havayolu'),

(203, 'Pegasus Havayolları', 6312, 'Havayolu'),

(204, 'Atlas Global', 3152, 'Havayolu'),

(205, 'Onur Havayolları', 3001, 'Havayolu'),

(206, 'Anadolu Jet', 6461, 'Havayolu'),

(101, 'Aksu Temizlik', 82, 'Temizlik'),

(102, 'Bengi Güvenlik', 461, 'Güvenlik'),

(103, 'Altın Kaşık', 167, 'Catering'),

(104, 'Tospik Temizlik', 263, 'Temizlik')

INSERT INTO Runway VALUES

('18R/36L', 3000, 50, 'Güney', 'Tarmac'),

('09R/27L', 3600, 63, 'Doğu', 'Beton'),

('30R/12L', 3000, 50, 'Güneydoğu', 'Tarmac')

INSERT INTO ControlTower VALUES

('SE1', 6, 60, 11),

('NW2', 5, 40, 8)

INSERT INTO AirplaneModel(ModelName, ReleaseDate, NrOfEngine, MaxSpeed, MaxAltitude, PassengerCapacity, [Lenght], Width, FuelCapacity) VALUES

('Airbus A330', '1992-01-01', 2, 913, 12000, 546, 59, 60, 139100),

('Airbus A319', '1995-01-01', 2, 871, 11900, 151, 34, 36, 26250),

('Airbus A300', '1972-01-01', 2, 833, 12500, 289, 53, 45, 45000),

('Boeing 777', '1994-01-01', 2, 945, 13600, 550, 64, 61, 117000),

('Boeing 787', '2009-01-01', 2, 956, 13100, 300, 57, 52, 126903),

('Boeing 737', '1967-01-01', 2, 876, 11300, 124, 29, 28, 17900),

('Airbus A320', '1987-01-01', 2, 870, 11887, 110, 31, 34, 23860)

INSERT INTO Airplane(PlaneID, PlaneName, LastMaintenanceDate, LastMaintenancePlace, ProductionDate, ModelID, FirmID) VALUES

('TC2010201', 'Silivri', '2022/06/17', 'LTFJ', '2000/12/18', 2, 201), -- THY Bakım Merkezleri (ICAO-IATA): LTFJ-SAW, LTAC-ESB, LTBA-ISL

('TC2010202', 'Yeşilköy', '2022/12/05', 'LTAC', '2002/10/10', 2, 201),

('TC2010203', 'Adilcevaz', '2022/11/13', 'LTFJ', '1997/08/01', 2, 201),

('TC2010204', 'Köyceğiz', '2022/01/22', 'LTBA', '2010/01/15', 2, 201),

('TC2010701', 'Şanlıurfa', '2022/03/13', 'LTBA', '1990/04/12', 7, 201),

('TC2010702', 'Erzurum', '2023/01/03', 'LTAC', '1995/06/17', 7, 201),

('TC2010703', 'Bergama', '2022/12/29', 'LTFJ', '2002/07/04', 7, 201),

('TC2010704', 'Muş', '2022/04/24', 'LTBA', '2001/01/01', 7, 201),

('TC2010101', Null, '2023/01/12', 'LTFJ', '1997/11/12', 1, 201),

('TC2010102', 'Çatalhöyük', '2022/07/19', 'LTFJ', '2000/05/07', 1, 201),

('TC2010601', 'Bergama', '2023/01/12', 'LTFJ', '1972/02/15', 6, 201),

('TC2010602', 'Efes', '2022/03/25', 'LTFJ', '1999/01/05', 6, 201),

('TC2010603', Null, '2022/01/23', 'LTFJ', '2018/11/14', 6, 201),

('TC2010401', 'Sümela', '2022/05/01', 'LTBA', '1995/05/05', 4, 201),

('TC2010402', 'Ayasofya', '2022/08/21', 'LTBA', '1999/07/27', 4, 201),

('TC2010501', 'Maçka', '2022/12/04', 'LTFJ', '2011/10/23', 5, 201),

('TC2010502', Null, '2022/05/04', 'LTFJ', '2010/04/21', 5, 201),

('TC2020601', Null, '2022/03/13', 'LTBJ', '2010/04/21', 6, 202), -- Sunexpress bakım merkezi LTBJ-ADB

('TC2020602', Null, '2022/11/14', 'LTBJ', '2012/09/09', 6, 202),

('TC2020603', 'Güneş', '2021/11/04', 'LTBJ', '2009/03/07', 6, 202),

('TC2020101', Null, '2022/12/04', 'LTBJ', '2001/06/03', 1, 202),

('TC2020102', Null, '2022/10/15', 'LTBJ', '2003/02/23', 1, 202),

('TC2030101', 'Açelya', '2023/01/04', 'LTFJ', '2001/09/03', 1, 203), -- Pegasus LTFJ-SAW

('TC2030102', 'Fadime', '2022/11/04', 'LTFJ', '2003/06/17', 1, 203),

('TC2030103', 'Haçan Eğrisu', '2022/04/14', 'LTFJ', '2001/06/03', 1, 203),

('TC2030701', 'Eylül', '2022/12/21', 'LTFJ', '1997/09/12', 7, 203),

('TC2030702', 'Hacer', '2022/01/21', 'LTFJ', '2000/12/10', 7, 203),

('TC2030703', 'Demet', '2022/03/23', 'LTFJ', '1999/11/15', 7, 203),

('TC2030601', 'Deniz', '2022/08/03', 'LTFJ', '1971/10/12', 6, 203),

('TC2030602', 'Ezgi', '2022/11/25', 'LTFJ', '1996/06/07', 6, 203),

('TC2040701', null, '2022/08/13', 'LTAC', '1998/03/02', 7, 204), --THY'ye yaptırıyor

('TC2040702', null, '2023/01/10', 'LTAC', '2001/09/11', 7, 204),

('TC2040703', null, '2022/10/18', 'LTBA', '2000/04/06', 7, 204),

('TC2040101', 'Cansu', '2021/12/30', 'LTBA', '2000/04/06', 1, 204),

('TC2050701', null, '2022/12/14', 'LTFJ', '2003/07/02', 7, 205), -- Bu da THY yaptırsın

('TC2050702', null, '2022/08/24', 'LTBA', '2002/12/31', 7, 205),

('TC2050703', null, '2022/12/14', 'LTFJ', '2003/07/02', 7, 205),

('TC2050101', 'Cici Kuş', '2022/12/14', 'LTFJ', '1994/10/16', 1, 205),

('TC2060201', 'Baba Yaga', '2022/12/14', 'LTFJ', '2001/07/02', 2, 206), -- THY Trademark'ı

('TC2060202', 'Telekli', '2022/10/13', 'LTFJ', '1999/08/01', 2, 206),

('TC2060203', 'Paçalı', '2022/11/22', 'LTBA', '2010/03/15', 2, 206),

('TC2060701', 'Taklacı', '2022/02/13', 'LTBA', '1991/04/12', 7, 206),

('TC2060702', 'Parıltı', '2021/03/03', 'LTAC', '1997/09/17', 7, 206)

INSERT INTO Hangar (HangarID, Sizem2, NumberOfPersonnel, Airplane.PlaneID) VALUES

(1, 180, 2, NULL),

(2, 200, 3, 'TC2040101'),

(3, 240, 4, NULL),

(4, 140, 1, NULL)

INSERT INTO Vehicle(VehicleID, VehicleType, LoadCapacity, PeopleCapacity, RunwayID, ParkingLot) VALUES

(1, 'Beltloader', null, 1, '09R/27L', 1),

(2, 'Beltloader', null, 1, '18R/36L', 1),

(3, 'Beltloader', null, 1, '30R/12L', 1),

(4, 'Apron Bus', 26000, 96, '09R/27L', 2),

(5, 'Apron Bus', 26000, 96, '09R/27L', 2),

(6, 'Apron Bus', 26000, 96, '18R/36L', 2),

(7, 'Apron Bus', 26000, 96, '18R/36L', 2),

(8, 'Apron Bus', 26000, 96, '30R/12L', 2),

(9, 'Apron Bus', 26000, 96, '30R/12L', 2),

(10, 'Airstairs', null, 1, '09R/27L', 3),

(11, 'Airstairs', null, 1, '18R/36L', 3),

(12, 'Airstairs', null, 1, '30R/12L', 3),

(13, 'ARFF', 30000, 5, '09R/27L', 4),

(14, 'ARFF', 30000, 5, '18R/36L', 4),

(15, 'ARFF', 30000, 5, '30R/12L', 4),

(16, 'ARFF', 30000, 5, '18R/36L', 4)

ALTER TABLE Vehicle DROP COLUMN ParkingLot

INSERT INTO Personnel(PersonnelID, PersonnelName, PersonnelMiddleName, PersonnelLastName, TCNo, PostCode, ContactNumber, MailAdress, EducationLevel, Gender, DateOfBirth, WorkPlace, [Status],FirmID, Salary) VALUES

(1040002, 'Didem', 'Berra', 'Karakum', 45001199484, 75461, 0569753636, 'didemberrakarakum@gmail.com', 'Lise', 'W', '1993/04/22', 'Pist', 'Güvenlik', 104, 11000),

(1010001, 'Eylül', '', 'Aldi?nç', 97456721645, 38094, 0545373122, 'eylulaldi?nc@gmail.com', 'Lise', 'W', '1973/12/14', 'Pist', 'Güvenlik', 101, 11000),

(2010001, 'Aşkın', 'Berra', 'Yüzbaşioğlu', 12859656118, 51061, 0596145744, 'askinberrayuzbasioglu@gmail.com', 'Lisans', 'W', '1957/06/26', 'Hava Hizmetleri', 'Pilot', 201, 46000),

(1020001, 'Ayşe', 'Berşan', 'Şen', 24904861048, 72776, 0580897841, 'aysebersansen@gmail.com', 'Lise', 'W', '1986/05/14', 'Yer Hizmetleri', 'Garson', 102, 14000),

(2040001, 'Feyza', 'Buse', 'Boduroğlu', 86360787747, 18320, 0505200206, 'feyzabuseboduroglu@gmail.com', 'Lise', 'W', '1968/04/26', 'Hava Hizmetleri', 'Kabin Amiri', 204, 42000),

(1010002, 'Didem', '', 'Tanrikulu', 61783353944, 49890, 0553882908, 'didemtanrikulu@gmail.com', 'Lise', 'W', '1981/03/15', 'Yer Hizmetleri', 'Temizlikçi', 101, 10000),

(1020002, 'Amanda', 'Kiraz', 'Türkdoğan', 68031000991, 42640, 0529493985, 'amandakirazturkdogan@gmail.com', 'Lise', 'W', '1975/01/13', 'Pist', 'Güvenlik', 102, 11000),

(1030001, 'Acar', 'Hanzade', 'Abacioğlu', 93452610121, 36255, 0519962673, 'acarhanzadeabacioglu@gmail.com', 'Lisans', 'W', '1952/01/03', 'ana kapı', 'Güvenlik', 103, 10000),

(1030002, 'Aynur', 'Handan', 'Öner', 85932627347, 30467, 0537995115, 'aynurhandanoner@gmail.com', 'Yüksek Lisans', 'W', '1978/07/04', 'Pist', 'Güvenlik', 103, 12000),

(1030003, 'Seren', '', 'Sürüm', 11821643252, 84493, 0575737030, 'serensurum@gmail.com', 'Lisans', 'W', '1961/03/20', 'Pist', 'Güvenlik', 103, 12000),

(1040003, 'Eylül', 'Hanzade', 'Çalişkantürk', 43804193273, 57726, 0565823329, 'eylulhanzadecaliskanturk@gmail.com', 'Lise', 'W', '1991/10/24', 'Pist', 'Güvenlik', 104, 12000),

(2030001, 'Seray', 'Berrak', 'Öcal', 31085409532, 81515, 0505619325, 'serayberrakocal@gmail.com', 'Doktora', 'W', '1974/08/26', 'Hava Hizmetleri', 'Pilot', 203, 22000),

(1020003, 'Aygün', '', 'Yavuz', 82930242641, 57571, 0555785913, 'aygunyavuz@gmail.com', 'Yüksek Lisans', 'W', '1969/09/09', 'Yer Hizmetleri', 'Garson', 102, 10000),

(1010003, 'Ecem', 'Lale', 'Eroğlu', 14458658849, 48333, 0565488953, 'ecemlaleeroglu@gmail.com', 'Doktora', 'W', '1982/01/18', 'Pist', 'Güvenlik', 101, 11000),

(2030002, 'Esin', 'Berrak', 'Özdemi?r', 87636983331, 80355, 0515813126, 'esinberrakozdemi?r@gmail.com', 'Lisans', 'W', '1995/05/13', 'Hava Hizmetleri', 'Pilot', 203, 71000),

(2020001, 'Asuman', 'Kiraz', 'Ati?k', 37998872552, 23681, 0566008770, 'asumankirazati?k@gmail.com', 'Yüksek Lisans', 'W', '1994/07/03', 'Hava Hizmetleri', 'Pilot', 202, 50000),

(1030004, 'Selvi', '', 'Aksel', 56697018441, 41661, 0577465757, 'selviaksel@gmail.com', 'Lise', 'W', '1954/04/11', 'Yer Hizmetleri', 'Aşçı', 103, 10000),

(1030005, 'Eda', '', 'Gülşan', 54087705721, 28128, 0509870098, 'edagulsan@gmail.com', 'Lise', 'W', '1988/01/22', 'ana kapı', 'Güvenlik', 103, 10000),

(1030006, 'Figen', '', 'Üzer', 94248770405, 74330, 0535504080, 'figenuzer@gmail.com', 'Lisans', 'W', '1962/01/19', 'Pist', 'Güvenlik', 103, 12000),

(1010004, 'Eylül', '', 'Kulaç', 60307085918, 38904, 0560894278, 'eylulkulac@gmail.com', 'Lise', 'W', '1976/10/12', 'ana kapı', 'Güvenlik', 101, 12000),

(1020004, 'Esin', '', 'Erdem', 38228031308, 10914, 0504932582, 'esinerdem@gmail.com', 'Lisans', 'W', '1994/05/12', 'ana kapı', 'Güvenlik', 102, 12000),

(2030003, 'Altan', 'Lale', 'Yilmaz', 21473887340, 32792, 057972155, 'altanlaleyilmaz@gmail.com', 'Doktora', 'W', '1975/06/10', 'Hava Hizmetleri', 'Pilot', 203, 31000),

(1040004, 'Feriha', 'Henna', 'Işik', 75037336773, 68593, 055812032, 'ferihahennaisik@gmail.com', 'Lisans', 'W', '1994/06/25', 'ana kapı', 'Güvenlik', 104, 13000),

(1040005, 'Seçkin', 'Beste', 'Demi?r', 37261134865, 78598, 0520266337, 'seckinbestedemi?r@gmail.com', 'Doktora', 'W', '1984/11/02', 'ana kapı', 'Güvenlik', 104, 12000),

(1040006, 'Ekin', 'Handesu', 'Kayayurt', 65527143442, 57807, 0521068728, 'ekinhandesukayayurt@gmail.com', 'Lisans', 'W', '1972/07/01', 'Yer Hizmetleri', 'Aşçı', 104, 14000),

(1010005, 'Evşen', 'Amanda', 'Abacioğlu', 67174070749, 41477, 0514036939, 'evsenamandaabacioglu@gmail.com', 'Yüksek Lisans', 'W', '1999/03/04', 'ana kapı', 'Güvenlik', 101, 16000),

(1030007, 'Ergül', '', 'Özdemi?r', 98042750563, 97183, 0501557847, 'ergulozdemi?r@gmail.com', 'Lise', 'W', '1950/11/13', 'ana kapı', 'Güvenlik', 103, 12000),

(1040007, 'Ayten', '', 'Öztürk', 85753419105, 83343, 0533316572, 'aytenozturk@gmail.com', 'Lise', 'W', '1983/01/24', 'ana kapı', 'Güvenlik', 104, 13000),

(1030008, 'Aşkın', 'Handesu', 'Yi?ği?t', 93783077605, 47407, 0575306453, 'askinhandesuyi?gi?t@gmail.com', 'Lisans', 'W', '1985/12/03', 'Pist', 'Güvenlik', 103, 15000),

(1030009, 'Feriha', 'Berran', 'Demi?r', 90076700911, 98647, 0519250939, 'ferihaberrandemi?r@gmail.com', 'Lisans', 'W', '1956/03/07', 'Yer Hizmetleri', 'Garson', 103, 15000),

(1040008, 'Selvi', 'Berrin', 'Uyanik', 85223048249, 17114, 0528077823, 'selviberrinuyanik@gmail.com', 'Lisans', 'W', '1973/03/10', 'Pist', 'Güvenlik', 104, 13000),

(1020005, 'Selvi', 'Bestegül', 'Karabağ', 70812743717, 22118, 0517666521, 'selvibestegulkarabag@gmail.com', 'Lise', 'W', '1986/01/05', 'ana kapı', 'Güvenlik', 102, 15000),

(1010006, 'Fidan', 'Kiraz', 'Şeyhanli', 82913063180, 17402, 0513002885, 'fidankirazseyhanli@gmail.com', 'Lise', 'W', '1953/12/27', 'Pist', 'Güvenlik', 101, 12000),

(2030004, 'Feyza', '', 'Dal', 75762787541, 65591, 0586016650, 'feyzadal@gmail.com', 'Yüksek Lisans', 'W', '1966/04/01', 'Hava Hizmetleri', 'Kabin memuru', 203, 69000),

(1040009, 'Eda', '', 'Küfeci?ler', 20176657509, 35821, 0522118100, 'edakufeci?ler@gmail.com', 'Lise', 'W', '1968/10/27', 'Yer Hizmetleri', 'Garson', 104, 13000),

(2010002, 'Fidan', 'Henna', 'Canacankatan', 54403597915, 73078, 0566962547, 'fidanhennacanacankatan@gmail.com', 'Doktora', 'W', '1953/10/15', 'Hava Hizmetleri', 'Pilot', 201, 31000),

(1010007, 'Ayten', 'Aşkın', 'Sürüm', 35197445013, 42014, 0579313839, 'aytenaskinsurum@gmail.com', 'Yüksek Lisans', 'W', '1992/12/26', 'Yer Hizmetleri', 'Temizlikçi', 101, 14000),

(1040010, 'Ergül', 'Hürrem', 'Doğan', 50337502548, 33821, 0580399395, 'ergulhurremdogan@gmail.com', 'Doktora', 'W', '1970/02/07', 'Yer Hizmetleri', 'Aşçı', 104, 11000),

(2020002, 'Altan', 'Bestegül', 'Kaya', 63468476745, 82431, 0586071013, 'altanbestegulkaya@gmail.com', 'Lise', 'W', '1998/11/11', 'Hava Hizmetleri', 'Kabin Amiri', 202, 52000),

(1030010, 'Seren', 'Berra', 'Türkdoğan', 15969180609, 30333, 0537137261, 'serenberraturkdogan@gmail.com', 'Yüksek Lisans', 'W', '1978/05/25', 'Pist', 'Güvenlik', 103, 12000),

(1040011, 'Semiha', 'Handesu', 'Dal', 39004867209, 11769, 0553229505, 'semihahandesudal@gmail.com', 'Doktora', 'W', '1958/10/24', 'Pist', 'Güvenlik', 104, 15000),

(1030011, 'Eylül', 'Kiraz', 'Turgut', 41446682282, 48855, 0535953457, 'eylulkirazturgut@gmail.com', 'Lisans', 'W', '1968/02/28', 'Yer Hizmetleri', 'Garson', 103, 12000),

(1020006, 'Didem', '', 'Turgut', 15357754915, 48760, 0572123102, 'didemturgut@gmail.com', 'Doktora', 'W', '1981/12/15', 'Yer Hizmetleri', 'Garson', 102, 15000),

(1020007, 'Seçkin', 'Henna', 'Işik', 34497384343, 20581, 0542410693, 'seckinhennaisik@gmail.com', 'Lisans', 'W', '1952/11/26', 'ana kapı', 'Güvenlik', 102, 11000),

(1030012, 'Selvi', 'Asuman', 'Uz', 60337696978, 71621, 0512317412, 'selviasumanuz@gmail.com', 'Doktora', 'W', '1996/03/10', 'Yer Hizmetleri', 'Garson', 103, 11000),

(1030013, 'Ergül', 'Müge', 'Abacioğlu', 12663985306, 99608, 0539291284, 'ergulmugeabacioglu@gmail.com', 'Lise', 'W', '1959/12/23', 'Pist', 'Güvenlik', 103, 10000),

(1030014, 'Altan', '', 'Şentürk', 88801341099, 60521, 0598301045, 'altansenturk@gmail.com', 'Lisans', 'W', '1953/03/12', 'Pist', 'Güvenlik', 103, 16000),

(1010008, 'Esin', 'Berna', 'Doğan', 92272543146, 65498, 0553512352, 'esinbernadogan@gmail.com', 'Lisans', 'W', '1985/07/08', 'Yer Hizmetleri', 'Garson', 101, 12000),

(2020003, 'Dilara', 'Berran', 'Boduroğlu', 29293259702, 28565, 0505240177, 'dilaraberranboduroglu@gmail.com', 'Doktora', 'W', '1963/05/08', 'Hava Hizmetleri', 'Kabin memuru', 202, 77000),

(1040012, 'Feyza', 'Lale', 'Ayhan', 69178605486, 44856, 0503677502, 'feyzalaleayhan@gmail.com', 'Yüksek Lisans', 'W', '1982/07/22', 'ana kapı', 'Güvenlik', 104, 15000),

(1020008, 'Ayşe', 'Berna', 'Çi?ldi?r', 17436935111, 40646, 0533150484, 'aysebernaci?ldi?r@gmail.com', 'Lisans', 'W', '1959/12/13', 'ana kapı', 'Güvenlik', 102, 13000),

(1020009, 'Eda', 'Berşan', 'Tüten', 34205188217, 25566, 0540363240, 'edabersantuten@gmail.com', 'Lisans', 'W', '1951/01/31', 'ana kapı', 'Güvenlik', 102, 13000),

(1040013, 'Aşkın', '', 'Turgut', 58190499820, 75393, 0577173832, 'askinturgut@gmail.com', 'Lise', 'W', '1973/04/22', 'ana kapı', 'Güvenlik', 104, 16000),

(1010009, 'Dilay', 'Aycan', 'Kaya', 34402566269, 15287, 0531647342, 'dilayaycankaya@gmail.com', 'Yüksek Lisans', 'W', '1982/08/13', 'Pist', 'Güvenlik', 101, 15000),

(2050001, 'Eda', '', 'Erkuran', 31250620862, 22107, 0562327697, 'edaerkuran@gmail.com', 'Lise', 'W', '1996/03/13', 'Hava Hizmetleri', 'Kabin memuru', 205, 51000),

(1010010, 'Eylül', 'Handesu', 'Kandemi?r', 59896732479, 16768, 0565707158, 'eylulhandesukandemi?r@gmail.com', 'Lise', 'W', '1998/05/08', 'Yer Hizmetleri', 'Aşçı', 101, 10000),

(1020010, 'Didem', '', 'Sezer', 39199326812, 12578, 0548797307, 'didemsezer@gmail.com', 'Lise', 'W', '1997/10/19', 'ana kapı', 'Güvenlik', 102, 15000),

(1020011, 'Ayşe', 'Handesu', 'Yavuz', 25161723872, 84695, 0579105790, 'aysehandesuyavuz@gmail.com', 'Lise', 'W', '1952/05/26', 'Yer Hizmetleri', 'Aşçı', 102, 16000),

(1040014, 'Ekim', '', 'Gülşan', 49001397356, 31387, 0556413303, 'ekimgulsan@gmail.com', 'Lisans', 'W', '1954/11/26', 'Pist', 'Güvenlik', 104, 14000),

(1010011, 'Selvi', '', 'Ayhan', 15300211482, 61890, 0506587257, 'selviayhan@gmail.com', 'Lisans', 'W', '1980/05/03', 'Yer Hizmetleri', 'Garson', 101, 16000),

(1010012, 'Aynur', '', 'Öcal', 11040896226, 56935, 0554851960, 'aynurocal@gmail.com', 'Lise', 'W', '1965/05/12', 'ana kapı', 'Güvenlik', 101, 12000),

(1040015, 'Dilara', 'Nisan', 'Şen tanrikulu', 10257524142, 15715, 0539790681, 'dilaranisansen tanrikulu@gmail.com', 'Lise', 'W', '1994/05/23', 'ana kapı', 'Güvenlik', 104, 16000),

(1040016, 'Ergül', 'Kiraz', 'Akpinar', 95345031007, 85096, 0505814710, 'ergulkirazakpinar@gmail.com', 'Lisans', 'W', '1982/03/17', 'Yer Hizmetleri', 'Aşçı', 104, 15000),

(1030015, 'Dilan', 'Asuman', 'Uyanik', 49907171096, 94266, 0513793082, 'dilanasumanuyanik@gmail.com', 'Lise', 'W', '1988/01/17', 'Pist', 'Güvenlik', 103, 12000),

(2020004, 'Selvi', 'Berra', 'Canacankatan', 24328805818, 41856, 0531733530, 'selviberracanacankatan@gmail.com', 'Yüksek Lisans', 'W', '1970/02/10', 'Hava Hizmetleri', 'Kabin Amiri', 202, 37000),

(1020012, 'Ayşen', 'Berra', 'Aslan', 30686074981, 85285, 0571031632, 'aysenberraaslan@gmail.com', 'Doktora', 'W', '1978/01/12', 'Yer Hizmetleri', 'Aşçı', 102, 12000),

(2030005, 'Ekin', 'Lale', 'Özdemi?r', 20333458139, 61531, 0559904524, 'ekinlaleozdemi?r@gmail.com', 'Doktora', 'W', '1976/10/22', 'Hava Hizmetleri', 'Pilot', 203, 25000),

(1010013, 'Dilay', 'Henna', 'Öcal', 27705032090, 29193, 0587647339, 'dilayhennaocal@gmail.com', 'Yüksek Lisans', 'W', '1966/04/24', 'Yer Hizmetleri', 'Garson', 101, 11000),

(1010014, 'Bilgehan', 'Tarık', 'Çay', 50013612277, 71034, 0582739311, 'bilgehantarikcay@gmail.com', 'Lisans', 'M', '1993/04/13', 'Yer Hizmetleri', 'Aşçı', 101, 16000),

(1030016, 'Bektaş', 'Selçuk', 'Karabağ', 96088725413, 68145, 053763014, 'bektasselcukkarabag@gmail.com', 'Lise', 'M', '1974/10/09', 'ana kapı', 'Güvenlik', 103, 10000),

(1030017, 'Babacan', 'Batu', 'Kulaksiz', 15533887729, 56296, 0518595350, 'babacanbatukulaksiz@gmail.com', 'Lisans', 'M', '1993/09/22', 'ana kapı', 'Güvenlik', 103, 10000),

(1020013, 'Tayfur', 'Tufan', 'Yavaşi?', 30809418429, 35717, 0585662866, 'tayfurtufanyavasi?@gmail.com', 'Lisans', 'M', '1978/09/11', 'ana kapı', 'Güvenlik', 102, 14000),

(2010003, 'Avşar', 'Cabir', 'Sezer', 27151455938, 90865, 0506451705, 'avsarcabirsezer@gmail.com', 'Doktora', 'M', '1979/07/07', 'Hava Hizmetleri', 'Pilot', 201, 38000),

(2050002, 'Turgay', 'Baha', 'Çevi?k', 47910616175, 40218, 0528582129, 'turgaybahacevi?k@gmail.com', 'Yüksek Lisans', 'M', '1958/07/06', 'Hava Hizmetleri', 'Kabin memuru', 205, 23000),

(1010015, 'Beşir', 'Bilgehan', 'Çi?ldi?r', 53759946973, 62099, 0554624167, 'besirbilgehanci?ldi?r@gmail.com', 'Lise', 'M', '1980/07/27', 'Yer Hizmetleri', 'Garson', 101, 12000),

(1010016, 'Tufan', 'Behlül', 'Şentürk', 44634748220, 77039, 0541509109, 'tufanbehlulsenturk@gmail.com', 'Lisans', 'M', '1957/07/12', 'Yer Hizmetleri', 'Temizlikçi', 101, 10000),

(1010017, 'Aykan', 'Burak', 'Büyükcam', 73559782991, 78219, 0510424778, 'aykanburakbuyukcam@gmail.com', 'Lise', 'M', '1972/06/01', 'Pist', 'Güvenlik', 101, 14000),

(2010004, 'Buğra', 'Turanşah', 'Akbulut', 81027775974, 22247, 055528598, 'bugraturansahakbulut@gmail.com', 'Yüksek Lisans', 'M', '1997/06/17', 'Hava Hizmetleri', 'Kabin memuru', 201, 65000),

(1020014, 'Atalay', 'Selman', 'Erdem', 65811479560, 84184, 0545813237, 'atalayselmanerdem@gmail.com', 'Lisans', 'M', '1971/06/25', 'ana kapı', 'Güvenlik', 102, 12000),

(1010018, 'Bilal', 'Zübeyr', 'Aslan', 14210394463, 58482, 0513351229, 'bilalzubeyraslan@gmail.com', 'Lise', 'M', '1958/03/18', 'Yer Hizmetleri', 'Temizlikçi', 101, 13000),

(1020015, 'Burhan', 'Avşar', 'Uyanik', 35698022043, 28186, 0533850484, 'burhanavsaruyanik@gmail.com', 'Lisans', 'M', '1991/01/25', 'ana kapı', 'Güvenlik', 102, 13000),

(1040017, 'Bülent', 'Talat', 'Sönmez', 87863569305, 39047, 0510351925, 'bulenttalatsonmez@gmail.com', 'Lise', 'M', '1982/07/06', 'Pist', 'Güvenlik', 104, 12000),

(2020005, 'Alperen', 'Tarkan', 'Işik', 70194263412, 10075, 0518330020, 'alperentarkanisik@gmail.com', 'Lisans', 'M', '1975/11/16', 'Hava Hizmetleri', 'Kabin Amiri', 202, 11000),

(1030018, 'Efe', 'Turanşah', 'Canacankatan', 20678153021, 67598, 0512564700, 'efeturansahcanacankatan@gmail.com', 'Lise', 'M', '1967/10/26', 'ana kapı', 'Güvenlik', 103, 11000),

(1010019, 'Bilal', 'Ekmel', 'Kaya', 18130260341, 76538, 0521835990, 'bilalekmelkaya@gmail.com', 'Lise', 'M', '1987/11/13', 'Pist', 'Güvenlik', 101, 14000),

(1020016, 'Fasih', 'Behcet', 'Selvi?', 88632102454, 68019, 051670623, 'fasihbehcetselvi?@gmail.com', 'Lise', 'M', '1982/04/27', 'Yer Hizmetleri', 'Aşçı', 102, 16000),

(1010020, 'Altemur', 'Burhan', 'Şentürk', 77231148967, 55106, 052913507, 'altemurburhansenturk@gmail.com', 'Lisans', 'M', '1967/03/08', 'Pist', 'Güvenlik', 101, 15000),

(2020006, 'Faruk', 'Serdar', 'Büyükcam', 84325283120, 16451, 0544018677, 'farukserdarbuyukcam@gmail.com', 'Doktora', 'M', '1963/04/25', 'Hava Hizmetleri', 'Kabin memuru', 202, 15000),

(1020017, 'Tarkan', 'Ata', 'Şen tanrikulu', 68692419998, 65577, 0517701940, 'tarkanatasen tanrikulu@gmail.com', 'Lisans', 'M', '1956/05/04', 'ana kapı', 'Güvenlik', 102, 15000),

(2020007, 'Serhat', 'Aşkın', 'Çevi?k', 47820758940, 67422, 0546345463, 'serhataskincevi?k@gmail.com', 'Doktora', 'M', '1968/12/16', 'Hava Hizmetleri', 'Pilot', 202, 48000),

(1030019, 'Serhat', 'Altemur', 'Saraçoğlu', 70499548757, 37649, 0518434959, 'serhataltemursaracoglu@gmail.com', 'Lisans', 'M', '1965/12/25', 'Yer Hizmetleri', 'Temizlikçi', 103, 14000),

(1030020, 'Barın', 'Sertaç', 'Kayayurt', 33526057543, 47452, 0540637539, 'barinsertackayayurt@gmail.com', 'Lisans', 'M', '1956/12/20', 'Yer Hizmetleri', 'Aşçı', 103, 12000),

(2010005, 'Tufan', 'Turgut', 'Çalişkantürk', 40597373672, 42276, 0524742651, 'tufanturgutcaliskanturk@gmail.com', 'Lisans', 'M', '1987/01/22', 'Hava Hizmetleri', 'Pilot', 201, 56000),

(1010021, 'Battal', 'Tufan', 'Yi?ği?t', 64457259045, 47268, 0500011916, 'battaltufanyi?gi?t@gmail.com', 'Lise', 'M', '1995/08/19', 'Pist', 'Güvenlik', 101, 12000),

(1020018, 'Ayvaz', 'Talat', 'Yi?ği?t', 80975610013, 14220, 0545909791, 'ayvaztalatyi?gi?t@gmail.com', 'Lisans', 'M', '1993/05/12', 'ana kapı', 'Güvenlik', 102, 13000),

(1010022, 'Babacan', 'Timur', 'Şen', 24617459248, 54754, 0581169542, 'babacantimursen@gmail.com', 'Lisans', 'M', '1962/11/23', 'Pist', 'Güvenlik', 101, 16000),

(1010023, 'Buğra', '', 'Barbaros', 88543595151, 36399, 0536106217, 'bugrabarbaros@gmail.com', 'Lise', 'M', '1986/04/12', 'ana kapı', 'Güvenlik', 101, 15000),

(2020008, 'Efken', 'Çetin', 'Şen tanrikulu', 30683872717, 10286, 0565779830, 'efkencetinsen tanrikulu@gmail.com', 'Lisans', 'M', '1962/05/15', 'Hava Hizmetleri', 'Kabin memuru', 202, 40000),

(2020009, 'Behcet', 'Burak', 'Akbulut', 58817302094, 72658, 0531923424, 'behcetburakakbulut@gmail.com', 'Yüksek Lisans', 'M', '2000/09/28', 'Hava Hizmetleri', 'Kabin Amiri', 202, 40000),

(2030006, 'Timurtaş', 'Burak', 'Öner', 77343799264, 84175, 0579185976, 'timurtasburakoner@gmail.com', 'Yüksek Lisans', 'M', '1952/03/06', 'Hava Hizmetleri', 'Kabin memuru', 203, 10000),

(2050003, 'Timur', 'Buğra', 'Yi?ği?t', 78417829193, 16652, 0534244848, 'timurbugrayi?gi?t@gmail.com', 'Yüksek Lisans', 'M', '1957/05/16', 'Hava Hizmetleri', 'Kabin memuru', 205, 56000),

(2020010, 'Timurtaş', '', 'Dal', 53977951044, 50430, 0517936574, 'timurtasdal@gmail.com', 'Doktora', 'M', '1972/08/10', 'Hava Hizmetleri', 'Kabin memuru', 202, 37000),

(2030007, 'Efken', 'Bektaş', 'Eraslan', 64315537150, 39704, 0513247599, 'efkenbektaseraslan@gmail.com', 'Lisans', 'M', '1950/06/22', 'Hava Hizmetleri', 'Kabin memuru', 203, 51000),

(2050004, 'Selman', 'Behram', 'Boduroğlu', 34565428098, 80408, 0565344805, 'selmanbehramboduroglu@gmail.com', 'Lisans', 'M', '1964/11/29', 'Hava Hizmetleri', 'Pilot', 205, 60000),

(2010006, 'Buğra', 'Taylan', 'Şeli?man', 15111952565, 53770, 0580617611, 'bugrataylanseli?man@gmail.com', 'Yüksek Lisans', 'M', '1998/06/23', 'Hava Hizmetleri', 'Pilot', 201, 57000),

(2040002, 'Tarkan', 'Zeyd', 'Öcal', 28379855425, 84430, 0509538388, 'tarkanzeydocal@gmail.com', 'Yüksek Lisans', 'M', '1952/07/27', 'Hava Hizmetleri', 'Kabin memuru', 204, 31000),

(2010007, 'Ziyad', 'Taylan', 'Yi?ği?t', 28087695578, 52948, 0517795860, 'ziyadtaylanyi?gi?t@gmail.com', 'Lisans', 'M', '1990/11/20', 'Hava Hizmetleri', 'Pilot', 201, 84000),

(2030008, 'Taner', 'Serhat', 'Kaya', 95989267490, 66357, 0511613575, 'tanerserhatkaya@gmail.com', 'Doktora', 'M', '1970/03/11', 'Hava Hizmetleri', 'Kabin Amiri', 203, 56000),

(2010008, 'Bektaş', 'Aşkın', 'Dal', 14579557827, 48109, 0599444723, 'bektasaskindal@gmail.com', 'Lisans', 'M', '1957/05/18', 'Hava Hizmetleri', 'Kabin memuru', 201, 50000),

(2030009, 'Berkan', 'Bülent', 'Ayhan', 87630248021, 62204, 0559359219, 'berkanbulentayhan@gmail.com', 'Yüksek Lisans', 'M', '1963/09/15', 'Hava Hizmetleri', 'Pilot', 203, 63000),

(2020011, 'Alper', 'Çetin', 'Yavuz', 79104138763, 57621, 0534210190, 'alpercetinyavuz@gmail.com', 'Lisans', 'M', '1988/09/21', 'Hava Hizmetleri', 'Kabin Amiri', 202, 64000),

(2020012, 'Cabir', 'Timur', 'Yarbi?l', 96187614151, 43712, 0508251219, 'cabirtimuryarbi?l@gmail.com', 'Yüksek Lisans', 'M', '1988/06/21', 'Hava Hizmetleri', 'Kabin Amiri', 202, 112000),

(2050005, 'Behzat', 'Ekmel', 'Kulaç', 45284920125, 66105, 0507732382, 'behzatekmelkulac@gmail.com', 'Lisans', 'M', '1981/03/03', 'Hava Hizmetleri', 'Pilot', 205, 47000),

(2050006, 'Taylan', 'Alişir', 'Şeli?man', 59315907410, 23176, 0572613100, 'taylanalisirseli?man@gmail.com', 'Lisans', 'M', '1972/02/17', 'Hava Hizmetleri', 'Kabin Amiri', 205, 52000),

(2040003, 'Burak', '', 'Barbaros', 11914870417, 43549, 0515595230, 'burakbarbaros@gmail.com', 'Lisans', 'M', '1977/08/22', 'Hava Hizmetleri', 'Kabin Amiri', 204, 81000),

(2040004, 'Talat', 'Ayvaz', 'Abacioğlu', 56155787028, 99677, 0559387639, 'talatayvazabacioglu@gmail.com', 'Yüksek Lisans', 'M', '1968/06/07', 'Hava Hizmetleri', 'Kabin Amiri', 204, 63000),

(2050007, 'Behcet', 'Avşar', 'Akbulut', 46991747524, 22638, 0596885952, 'behcetavsarakbulut@gmail.com', 'Yüksek Lisans', 'M', '1997/01/16', 'Hava Hizmetleri', 'Kabin memuru', 205, 20000),

(2050008, 'Aşkın', 'Timur', 'Eraslan', 46254070909, 75670, 0583445935, 'askintimureraslan@gmail.com', 'Doktora', 'M', '1959/09/21', 'Hava Hizmetleri', 'Pilot', 205, 38000),

(2040005, 'Talha', 'Berkan', 'Çay', 25493564359, 11807, 0501249717, 'talhaberkancay@gmail.com', 'Lisans', 'M', '1962/01/18', 'Hava Hizmetleri', 'Pilot', 204, 77000)

INSERT INTO [Route] (RouteID,PlaceOfDeparture, PlaceOfLanding, Distance, FlightTime) VALUES

('LTCW-LFTM', 'LTCW', 'LFTM', 1439, NULL),

('LTCW-LTFJ', 'LTCW', 'LTFJ', 1425, 145),

('LTCW-LTBJ', 'LTCW', 'LTBJ', 1076, 125),

('LTCW-LTAC', 'LTCW', 'LTAC', 952, 75),

('LTCW-LTDA', 'LTCW', 'LTDA', 467, 45),

('LTCW-LTCG', 'LTCW', 'LTCG', 936, 95),

('LTCW-LTCR', 'LTCW', 'LTCR', 205, 50),

('LTCW-LTAI', 'LTCW', 'LTAI', 496, 105),

('LTCW-LTBS', 'LTCW', 'LTBS', 1264, 130),

('LTCW-LTCT', 'LTCW', 'LTCT', 307, 90),

('LTCW-LTAJ', 'LTCW', 'LTAJ', 269, 45),

('LTCW-LTCC', 'LTCW', 'LTCC', 316, 20),

('LTCW-LTFH', 'LTCW', 'LTFH', 1056, 85),

('LTCW-LTAF', 'LTCW', 'LTAF', 534, 35),

('LFTM-LTCW', 'LFTM', 'LTCW', 1439, NULL),

('LTFJ-LTCW','LTFJ', 'LTCW', 1425, 145),

('LTBJ-LTCW','LTBJ', 'LTCW', 1076, 125),

('LTAC-LTCW','LTAC', 'LTCW', 952, 75),

('LTDA-LTCW','LTDA', 'LTCW', 467, 45),

('LTCG-LTCW','LTCG', 'LTCW', 936, 95),

('LTCR-LTCW','LTCR', 'LTCW', 205, 50),

('LTAI-LTCW','LTAI', 'LTCW', 496, 105),

('LTBS-LTCW','LTBS', 'LTCW', 1264, 130),

('LTCT-LTCW','LTCT', 'LTCW', 307, 90),

('LTAJ-LTCW','LTAJ', 'LTCW', 269, 45),

('LTCC-LTCW','LTCC', 'LTCW', 316, 20),

('LTFH-LTCW','LTFH', 'LTCW', 1056, 85),

('LTAF-LTCW','LTAF', 'LTCW', 534, 35)

INSERT INTO Pilot VALUES

(2010001, 2010001),

(2010002, 2010002),

(2010003, 2010003),

(2010004, 2010005),

(2010005, 2010006),

(2010006, 2010007),

(2020001, 2020001),

(2020002, 2020007),

(2030001, 2030001),

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(2030003, 2030003),

(2030004, 2030005),

(2030005, 2030009),

(2040001, 2040005),

(2050001, 2030004),

(2050002, 2030005),

(2050003, 2030008)

INSERT INTO Flight (FlightID, FlightDate, GateNumber, PlannedDepartureTime, PlannedLandingTime, RealTimeDeparture, RealTimeLanding, NumberOfPassengers, RouteID, RunwayID, TowerID, FirmID, PlaneID, PilotID)

VALUES

(2011001, '2023/06/01', 'A10', '23:10', '01:15', '23:15', '01:20', 138, 'LTCW-LTFJ', '18R/36L', 'SE1', 201, 'TC2010204', 2010002),

(2026729, '2023/06/02', 'A15', '14:30', '15:00', '14:50', '15:20', 115, 'LTCW-LTAF', '09R/27L', 'NW2', 202, 'TC2020602', 2020001),

(2011524, '2023/06/02', 'B10', '07:45', '09:00', '07:45', '09:00', 142, 'LTCW-LTAI', '30R/12L', 'SE1', 201, 'TC2010204', 2010003),

(2057856, '2023/06/02', 'B12', '08:00', '10:20', '08:15', '10:45', 110, 'LTCW-LTFJ', '09R/27L', 'SE1', 205, 'TC2050702', 2050002),

(2037632, '2023/06/03', 'A11', '11:15', '12:45', '11:20', '12:50', 110, 'LTBS-LTCW', '18R/36L', 'NW2', 203, 'TC2030601', 2030004),

(2017839, '2023/06/03', 'A11', '18:30', '19:20', '18:35', '19:30', 98, 'LTCT-LTCW', '18R/36L', 'SE1', 201, 'TC2010702', 2010006),

(2026709, '2023/06/04', 'A11', '12:00', '13:10', '12:12', '13:10', 111, 'LTFH-LTCW', '09R/27L', 'SE1', 202, 'TC2020601', 2020002),

(2041708, '2023/06/04', 'B10', '05:30', '06:15', '05:40', '06:15', 202, 'LTCW-LTFH', '30R/12L', 'NW2', 204, 'TC2020601', 2040001),

(2030905, '2023/06/05', 'A15', '06:45', '07:55', '06:45', '08:00', 102, 'LTFH-LTCW', '09R/27L', 'NW1', 203, 'TC2030601', 2030004),

(2035637, '2023/06/05', 'B10', '21:25', '22:45', '21:30', '22:45', 100, 'LTBS-LTCW', '18R/36L', 'SE1', 203, 'TC2030702', 2030005),

(2010001, '2023/01/23', 'B15', '10:00', '12:00', '10:00', '12:05', 148,'LTCW-LTCT', '18R/36L', 'SE1', 201, 'TC2010201', 2010001),

(2020001, '2023/01/24', 'B16', '12:00', '15:00', '12:00', '15:00', 142,'LTCW-LTAC', '09R/27L', 'NW2', 202, 'TC2010202', 2010002),

(2020002, '2023/02/01', 'B16', '19:00', '21:00', '19:00', '21:10', 122,'LTCW-LTBS', '09R/27L', 'NW2', 202, 'TC2020602', 2020002),

(2030001, '2023/02/07', 'B10', '01:00', '03:30', '01:05', '03:35', 121,'LTCW-LTBS', '30R/12L', 'SE1', 203, 'TC2030602', 2030004),

(2030002, '2023/02/08', 'B11', '04:00', '05:30', '04:00', '05:30', 112,'LTCW-LTBS', '30R/12L', 'NW2', 203, 'TC2030601', 2030005),

(2018652, '2023/07/03', 'A10', '22:20', '00:25', '22:22', '01:04', 253, 'LTCW-LTBJ', '18R/36L', 'SE1', 201, 'TC2010501', 2010003),

(2016729, '2023/03/07', 'A21', '14:30', '15:15', '14:50', '15:35', 415, 'LTAJ-LTCW', '09R/27L', 'SE1', 201, 'TC2010402', 2010006),

(2011872, '2023/03/12', 'B10', '14:45', '15:30', '14:45', '15:27', 213, 'LTCW-LTDA', '30R/12L', 'NW2', 201, 'TC2010501', 2010003),

(2021111, '2023/04/02', 'B21', '08:00', '09:35', '08:07', '09:35', 501, 'LTCW-LTCG', '09R/27L', 'SE1', 202, 'TC2020102', 2020002),

(2027632, '2023/08/03', 'A01', '21:15', '00:45', '21:17', '00:50', 124, 'LTFH-LTCW', '18R/36L', 'NW2', 202, 'TC2020601', 2020001),

(2024639, '2023/06/07', 'A11', '18:30', '19:20', '18:35', '19:30', 114, 'LTCR-LTCW', '18R/36L', 'SE1', 202, 'TC2020603', 2020001),

(2024540, '2023/04/04', 'B12', '14:00', '14:45', '14:00', '15:08', 384, 'LTDA-LTCW', '30R/12L', 'NW2', 202, 'TC2020102', 2020002),

(2023627, '2023/01/19', 'B03', '09:30', '10:55', '09:30', '10:55', 110, 'LTCW-LTFH', '09R/27L', 'SE1', 202, 'TC2020602', 2020001),

(2026535, '2023/04/22', 'A07', '06:45', '07:30', '06:45', '07:32', 249, 'LTCW-LTDA', '18R/36L', 'NW2', 202, 'TC2020102', 2020002),

(2034347, '2023/09/11', 'B10', '22:15', '00:05', '22:15', '00:06', 541, 'LTBJ-LTCW', '18R/36L', 'SE1', 203, 'TC2030103', 2030004),

(2030647, '2023/01/21', 'B14', '10:15', '11:00', '10:15', '11:00', 120, 'LTAJ-LTCW', '09R/27L', 'SE1', 203, 'TC2030602', 2030005),

(2030047, '2023/01/01', 'B01', '00:15', '02:20', '00:15', '02:20', 68, 'LTCW-LTBJ', '30R/12L', 'NW2', 203, 'TC2030103', 2030004),

(2040657, '2023/02/21', 'A01', '12:15', '12:45', '12:15', '12:45', 463, 'LTAI-LTCW', '09R/27L', 'SE1', 204, 'TC2040101', 2040001),

(2040656, '2023/02/18', 'A05', '13:30', '14:45', '13:30', '14:51', 503, 'LTCW-LTBS', '18R/36L', 'NW2', 204, 'TC2040101', 2040001),

(2040665, '2023/03/14', 'B04', '08:00', '08:50', '08:03', '08:51', 100, 'LTCW-LTCR', '30R/12L', 'NW2', 204, 'TC2040702', 2040001),

(2040666, '2023/03/14', 'A13', '20:00', '20:50', '20:00', '20:48', 98, 'LTCR-LTCW', '18R/36L', 'NW2', 204, 'TC2040702', 2040001),

(2040667, '2023/03/24', 'B04', '10:00', '11:35', '10:00', '11:35', 91, 'LTCW-LTCG', '09R/27L', 'SE1', 204, 'TC2040703', 2040001),

(2040668, '2023/03/24', 'B10', '22:00', '23:35', '22:00', '23:38', 78, 'LTCG-LTCW', '18R/36L', 'NW2', 204, 'TC2040703', 2040001),

(2040669, '2023/04/03', 'A08', '11:00', '11:20', '11:00', '11:20', 85, 'LTCW-LTCC', '30R/12L', 'NW2', 204, 'TC2040701', 2040001),

(2040670, '2023/04/04', 'B09', '08:00', '08:20', '21:30', '21:50', 21, 'LTCC-LTCW', '30R/12L', 'NW2', 204, 'TC2040701', 2040001),

(2051980, '2023/05/15', 'B05', '15:00', '17:10', '15:07', '17:17', 461, 'LTCW-LTBS', '09R/27L', 'SE1', 205, 'TC2050101', 2050003),

(2030517, '2023/04/01', 'B01', '14:15', '18:20', '14:15', '18:27', 68, 'LTCW-LTAF', '30R/12L', 'NW2', 203, 'TC2030103', 2030004),

(2040887, '2023/02/26', 'A17', '00:15', '04:45', '00:19', '04:58', 463, 'LTCR-LTCW', '09R/27L', 'SE1', 204, 'TC2040101', 2040001),

(2020546, '2023/02/11', 'A07', '13:30', '14:45', '13:36', '14:57', 503, 'LTAJ-LTCW', '18R/36L', 'NW2', 204, 'TC2020101', 2020001),

(2014855, '2023/03/12', 'B04', '09:00', '11:50', '09:12', '12:17', 100, 'LTCW-LTCG', '30R/12L', 'NW2', 204, 'TC2010702', 2010002),

(2050777, '2023/06/14', 'A11', '20:00', '20:50', '20:02', '20:52', 98, 'LTAJ-LTCW', '18R/36L', 'SE1', 204, 'TC2050702', 2050003),

(2010667, '2023/03/24', 'B04', '10:00', '11:35', '10:00', '11:35', 91, 'LTCW-LTCG', '09R/27L', 'SE1', 204, 'TC2010704', 2010005)

-- UPDATES

UPDATE Personnel SET Salary=Salary\*1.25 WHERE Salary<25554

UPDATE Personnel SET Salary=Salary\*1.2 WHERE Salary>25554

UPDATE Personnel SET ContactNumber='5380647245' WHERE Personnel.PersonnelID='1010018'

UPDATE Personnel SET WorkPlace='ana kapı' WHERE Personnel.PersonnelID='1040002'

UPDATE Airplane SET WorkingStatus='Yes' WHERE Airplane.WorkingStatus IS NULL

UPDATE Airplane SET WorkingStatus='No' WHERE ProductionDate<'1990/01/01'

UPDATE Personnel SET Salary=Salary+7000 WHERE Gender='W' --Fark ettik ki erkeklerin maaşı kadınlarınlinin iki katıymış. Hemen müdahale ettik hocam Ecrin&Cansu

UPDATE Flight SET NumberOfPassengers=114 WHERE Flight.FlightID='2041708'

-- DELETES

DELETE FROM Personnel WHERE EducationLevel='Lise' AND [Status]='Kabin Amiri'

DELETE FROM AirplaneModel WHERE ModelID='3'

DELETE FROM Airplane WHERE PlaneID='TC2040701'

DELETE FROM [Route] WHERE FlightTime IS NULL

DELETE FROM Vehicle WHERE VehicleID=16

SELECT AVG(Salary) AS [Average Salary] FROM Personnel

-- CREATE VIEW

CREATE VIEW MaintanenceDate

AS

SELECT a.PlaneID, a.LastMaintenancePlace, a.LastMaintenanceDate, a.FirmID, f.Firm

FROM Airplane AS a JOIN Firm AS f

ON a.FirmID = f.FirmID

SELECT Firm, PlaneID, LastMaintenanceDate, LastMaintenancePlace, FirmID

FROM MaintanenceDate

ORDER BY LastMaintenanceDate ASC

CREATE VIEW PassengerCapacityUsage

AS

SELECT Flight.FlightID, Flight.NumberOfPassengers, Airplane.ModelID, AirplaneModel.PassengerCapacity

FROM Flight, Airplane, AirplaneModel

WHERE Flight.PlaneID=Airplane.PlaneID AND AirplaneModel.ModelID=Airplane.ModelID

SELECT \* FROM PassengerCapacityUsage

CREATE VIEW FlightsFromEsenler

AS

SELECT Flight.FlightID, Flight.RouteID, [Route].PlaceOfLanding, Flight.FlightDate

FROM Flight, [ROUTE]

WHERE [Route].PlaceOfDeparture='LTCW' AND Flight.RouteID LIKE 'LTCW%' AND [Route].RouteID=Flight.RouteID

SELECT \* FROM FlightsFromEsenler

CREATE VIEW FlightsToEsenler

AS

SELECT Flight.FlightID, Flight.RouteID, [Route].PlaceOfDeparture, Flight.FlightDate

FROM Flight, [ROUTE]

WHERE [Route].PlaceOfLanding='LTCW' AND Flight.RouteID LIKE '%LTCW' AND [Route].RouteID=Flight.RouteID

SELECT \* FROM FlightsToEsenler

CREATE VIEW current\_flights

AS

SELECT FlightID, FlightDate, PlannedDepartureTime, PlannedLandingTime, GateNumber

FROM Flight

WHERE Flight.FlightDate > SYSDATETIME()

SELECT \* FROM current\_flights

ORDER BY FlightDate ASC

CREATE VIEW flight\_passenger\_avg

AS

SELECT FirmID, SUM(numberOfPassengers) as total\_passengers, AVG(numberOfPassengers) as avg\_passengers

FROM Flight

GROUP BY FirmID

SELECT \* FROM flight\_passenger\_avg

CREATE VIEW personnel\_info

AS

SELECT Firm.Firm , Personnel.PersonnelName, Personnel.PersonnelMiddleName, Personnel.PersonnelLastName, Personnel.TCNo FROM Personnel

INNER JOIN Firm

ON Firm.FirmID=Personnel.FirmID

SELECT \* FROM personnel\_info

CREATE VIEW V\_FlightPerPlane AS

SELECT f.PlaneID, COUNT(f.PlaneID) AS FlightPerPlane

FROM Flight f GROUP BY f.PlaneID HAVING COUNT(f.PlaneID)>0

SELECT \* FROM V\_FlightPerPlane

CREATE VIEW V\_PlaneHangarStatus AS

SELECT a.PlaneID, a.WorkingStatus FROM Airplane a

INNER JOIN Hangar h ON h.PlaneID=a.PlaneID

WHERE a.WorkingStatus LIKE 'Yes'

SELECT \* FROM V\_PlaneHangarStatus

CREATE VIEW [flights grouped by gatenumber] AS

SELECT FlightID, GateNumber, FlightDate, PlannedDepartureTime, NumberOfPassengers FROM Flight

SELECT \* FROM [flights grouped by gatenumber]

ORDER BY GateNumber ASC

-- CREATE INDEX

CREATE INDEX PINDEX

ON Personnel (PersonnelName, PersonnelMiddleName ,PersonnelLastName)

SELECT \* FROM Personnel WITH(INDEX(PINDEX))

CREATE INDEX FIRM\_INDEX

ON Firm (Firm)

SELECT \* FROM Firm WITH(INDEX(FIRM\_INDEX))

CREATE INDEX PNOINDEX

ON Personnel (ContactNumber)

SELECT \* FROM Personnel WITH(INDEX(PNOINDEX))

CREATE INDEX FINDEX

ON Flight (PlannedDepartureTime, FirmID)

SELECT GateNumber, PlannedDepartureTime,Firm FROM Flight WITH(INDEX(FINDEX))

INNER JOIN Firm

ON Flight.FirmID=Firm.FirmID

CREATE INDEX F\_DATEINDEX

ON Flight (Flightdate)

SELECT \* FROM Flight WITH(INDEX(F\_DATEINDEX))

-- TRANSACTIONS

BEGIN TRANSACTION

INSERT INTO Flight (FlightID, FlightDate, PlannedDepartureTime, PlannedLandingTime, RealTimeDeparture, RealTimeLanding, NumberOfPassengers, RouteID, FirmID, PilotID)

VALUES

(2047802, '2023/04/01', '19:00', '21:00', '19:00', '21:10', 119, 'LTCW-LTBS', 204, 2040001)

SAVE TRANSACTION FlightInsert

UPDATE Flight SET GateNumber='B16' WHERE FlightID=2047802

UPDATE Flight SET PlaneID ='TC2040703' WHERE FlightID=2047802

UPDATE Flight SET RunwayID='18R/36L' WHERE FlightID= 2047802

ROLLBACK TRANSACTION FlightInsert

COMMIT

BEGIN TRANSACTION

INSERT INTO Personnel (PersonnelID,FirmID, TCNo, PersonnelName,PersonnelMiddleName,PersonnelLastName,DateOfBirth,ContactNumber,Gender)

VALUES

(2021166,202, 46309876543, 'Ecrin', NULL, 'Yıldırım', '07/24/2001', '5380647345', 'W')

SAVE TRANSACTION personnelinsert

UPDATE Personnel SET MailAdress='ecrinyildirim116@gmail.com' WHERE PersonnelID=2021166

UPDATE Personnel SET EducationLevel='Lisans' WHERE PersonnelID= 2021166

COMMIT

-- TRIGGER

CREATE TRIGGER t\_HangarUpdateWorkingStatus

ON Hangar

AFTER UPDATE

AS

BEGIN

UPDATE Airplane

SET WorkingStatus='No'

WHERE Airplane.PlaneID=(SELECT PlaneID FROM V\_PlaneHangarStatus)

END

-- PROCEDURE

CREATE PROCEDURE FlightInfo

AS

SELECT Flight.GateNumber, Flight.PlannedDepartureTime, Firm.Firm FROM Flight WITH(INDEX(FINDEX))

INNER JOIN Firm

ON Flight.FirmID=Firm.FirmID

EXECUTE FlightInfo