DDL SCRIPT FOR AIRPORT DBMS

```
Create schema airport;
set search_path to airport;

create table airport (
        airport_id integer primary key,
        airport_name varchar(30),
        airport_city varchar(20)
);

create table airlines (
        airline_name varchar(20) primary key,
        origin varchar(10),
        owner_name varchar(10)
);


create table flight
(
        flight_id varchar(20) NOT NULL,
        flight_name varchar(20) ,
        model_number varchar(20),
        capacity int,
        weight decimal,
        airline_name varchar(20),
        primary key(flight_id),
Foreign key (airline_name) references airlines(airline_name)
);


create table terminal (
        terminal_id int,
        terminal_desc varchar(200),
        airport_id integer not null,
        foreign key (airport_id) references airport(airport_id),
        primary key (terminal_id,airport_id)

);

create table airline_terminal(
        airline_name varchar(20),
        terminal_id int ,
        airport_id int,
        foreign key (airline_name) references airlines(airline_name),
        foreign key (terminal_id,airport_id) references terminal(terminal_id,airport_id),
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        primary key(airport_id,airline_name)
);

create table passenger(
        passenger_id int primary key,
        passenger_name varchar(20),
        passenger_contact bigint,
        passenger_city varchar(20),
        emailid varchar(40)
);

create table ticket(
  ticket_id int,
  flight_id varchar(20),
  ticket_type varchar(20),
  travel_date date,
  passenger_id int,
  max_luggage_limit decimal,
  primary key(ticket_id),
  foreign key(passenger_id) references passenger(passenger_id),
  foreign key(flight_id) references flight(flight_id)

);


create table staff(
        staff_id int,
        designation varchar(20),
        staff_name varchar(30),
        staff_contact bigint,
        airport_id int,
        terminal_id int,
        foreign key(terminal_id,airport_id) references terminal(terminal_id,airport_id),
        primary key(staff_id,airport_id)
);


create table route(
        route_id int primary key,
        flight_id varchar(20) not null,
        foreign key (flight_id) references flight(flight_id),
        details varchar(200),
        to_airport int,
        from_airport int,
        Foreign key (to_airport)  references airport(airport_id),
        Foreign key (from_airport)  references airport(airport_id)
);
```

```sql
create table amenities(

        shop_id int primary key,
        shop_name varchar(50),
        shop_type varchar (30),
        status varchar(20),
        airport_id int,
        terminal_id int,
        foreign key (terminal_id,airport_id) references terminal(terminal_id,airport_id)
);

create table checkin(
        baggage_code int primary key,
        ticket_id int not null,
        weight decimal,
        status varchar(20),
        airport_id int,
        terminal_id int,
        foreign key(terminal_id,airport_id) references terminal (terminal_id,airport_id),
        Foreign key (ticket_id) references ticket(ticket_id)
);

create table booking(
        booking_id int primary key,
        to_airport int,
        from_airport int,
        Foreign key (to_airport) references airport ( airport_id),
        Foreign key (from_airport) references airport ( airport_id),
        fare int

);


Create table booking_passenger(
        booking_id int ,
        passenger_id int,
        ticket_id int ,
        Foreign key (booking_id) references booking(booking_id),
        Foreign key (ticket_id) references ticket(ticket_id),
        Foreign key (passenger_id) references passenger(passenger_id),
        Primary key (booking_id,passenger_id)
);
```

```sql
create table flight_status
(
        actual_dep_time time,
        actual_arr_time time,
        date_flight date,
        flight_id varchar(20),
        airport_id int,
        foreign key(flight_id) references flight(flight_id),
        foreign key(airport_id) references airport(airport_id),
        Primary key(flight_id,airport_id,date_flight)
);

create table confirmation
(
        confirmation_id int primary key,
        status varchar(20),
        ticket_id int,
        passenger_id int,
        foreign key(ticket_id) references ticket(ticket_id),
        foreign key(passenger_id) references passenger(passenger_id)

);

create table schedule
(
        departure_time time,
        arrival_time time,
        date_flight date,
        flight_id varchar(20),
        airport_id int,
        foreign key(flight_id) references flight(flight_id),
        foreign key(airport_id) references airport(airport_id),
        Primary key(flight_id,airport_id,date_flight)

);

create table atc
(

        runway_number int,
        airport_id int,
        flight_id varchar(20),
        runway_status varchar(20),
        primary key(airport_id,runway_number),
        foreign key(flight_id) references flight(flight_id),
```

```
            foreign key(airport_id) references airport(airport_id)
);
INSERT STATEMENTS

insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (1, 'Jean', '2152601498', 'Ośno Lubuskie', 'jgallandre0@webnode.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (2, 'Rem', '6235500143', 'Esperanza', 'rlooney1@theglobeandmail.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (3, 'Brew', '7439613346', ''Afula 'Illit', 'bparagreen2@cnet.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (4, 'Wayland', '4955850400', 'Yanaoca', 'wmathewson3@google.ca');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (5, 'Annadiana', '5436344710', 'Mojorejo', 'avarndell4@flavors.me');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (6, 'Jorgan', '9702383724', 'Grahamstown', 'jamiranda5@bluehost.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (7, 'Vyky', '1991455411', 'Bizerte', 'vcahan6@csmonitor.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (8, 'Delinda', '1971078743', 'Çlirim', 'dbaggarley7@noaa.gov');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (9, 'Alejandra', '4495413414', 'Subic', 'alightbourne8@uiuc.edu');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (10, 'Kathi', '5088102015', 'Morazán', 'kcosins9@comcast.net');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (11, 'Alma', '6841814182', 'Erqu', 'abreesea@auda.org.au');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (12, 'Valle', '2787724446', 'Río Tercero', 'vspeechlyb@intel.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (13, 'Elka', '6097218345', 'Trenton', 'ebrezlawc@youtube.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (14, 'Madonna', '9693745250', 'Mapalacsiao',
'mprichetd@elegantthemes.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (15, 'Martie', '3707069534', 'Skärhamn', 'mcowoppee@globo.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (16, 'Baxy', '3632600470', 'Maikun', 'bivakhnof@discuz.net');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (17, 'Chancey', '3788692103', 'Dukuhbadag', 'clugdeng@zimbio.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (18, 'Salomi', '5106684593', 'Ciawi', 'syansonsh@godaddy.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (19, 'Horatius', '6068105436', 'Graksop', 'hcoppingi@360.cn');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (20, 'Tierney', '4729034257', 'Nansha', 'thellekerj@slate.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (21, 'Lucho', '3983306767', 'Peterhof', 'lfacerk@arstechnica.com');
```

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insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (22, 'Haroun', '5763615783', 'North Bay', 'hnewboldl@quantcast.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (23, 'Leola', '9161494194', 'Requião', 'lfredianim@a8.net');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (24, 'Dacia', '9965965982', 'Yevpatoriya', 'dendecottn@loc.gov');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (25, 'Jean', '8933809615', 'Ritaebang', 'jcartyo@umn.edu');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (26, 'Mariann', '9147657334', 'Orzech', 'mpinhornp@fda.gov');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (27, 'Maddalena', '8081150019', 'Choros', 'mcockaymeq@jalbum.net');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (28, 'Paola', '2053883184', 'Satsumasendai', 'prosonir@princeton.edu');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (29, 'Eugenia', '3958228429', 'Qinghua', 'elelievres@patch.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (30, 'Flora', '1636024993', 'Rodolívos', 'flacazet@java.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (31, 'Harland', '8943035201', 'Berģi', 'hgimberu@arizona.edu');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (32, 'Shurlocke', '1114282648', 'Liujia', 'sdecrucev@free.fr');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (33, 'Sara', '6939007576', 'Helsingborg', 'shallwoodw@theguardian.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (34, 'Hedwiga', '6119369626', 'Kanekomachi', 'hpaeckmeyerx@ucla.edu');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (35, 'Ingmar', '5564276460', 'Kota Kinabalu', 'iringrosey@list-manage.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (36, 'Louis', '2984650608', 'Chicheng', 'lgenteryz@narod.ru');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (37, 'Theodora', '8762215684', 'Buensuseso', 'tpossel10@shop-pro.jp');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (38, 'Austin', '9106306628', 'Chikeng', 'afrankes11@narod.ru');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (39, 'Kinnie', '2098846336', 'Zapala', 'kemmins12@noaa.gov');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (40, 'Gery', '9897248596', 'Lobuni', 'gravelus13@go.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (41, 'Nolly', '6264660814', 'Laon', 'ndowdle14@admin.ch');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (42, 'Zitella', '8939281585', 'Tigil'', 'zdimmock15@cnn.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (43, 'Stormi', '7865088452', 'Nueva Loja', 'smulvey16@e-recht24.de');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (44, 'Judy', '7689358611', 'Mingyihe', 'jmcgowan17@moonfruit.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city,
emailid ) values (45, 'Jocelin', '9189187113', 'Obrenovac', 'jledwitch18@dailymotion.com');
```

insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city, emailid) values (46, 'Cathrin', '1851069732', 'Karangboyo', 'ctreagus19@nasa.gov');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city, emailid) values (47, 'Emmalynne', '3992266899', 'Stockholm', 'eventam1a@biglobe.ne.jp');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city, emailid) values (48, 'Zackariah', '2367307228', 'Paghmān', 'zizod1b@blogspot.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city, emailid) values (49, 'Pail', '2628493424', 'Mekarjaya', 'pahearne1c@lycos.com');
insert into passenger (passenger_id, passenger_name, passenger_contact, passenger_city, emailid) values (50, 'Greta', '1451737943', 'Gubat', 'gmackartan1d@reference.com');

```
insert into airlines (airline_name, origin, owner_name) values
('AirIndia', 'India', 'Tata');
insert into airlines (airline_name, origin, owner_name) values
('Akasa', 'India', 'raksh shah');
insert into airlines (airline_name, origin, owner_name) values
('QuatarAir', 'Dubai', 'sheikh');
insert into airlines (airline_name, origin, owner_name) values ('Green
Inc', 'Indonesia', 'Hannie Den');
insert into airlines (airline_name, origin, owner_name) values
('Indigo', 'Brazil', 'Ashley Gro');
insert into airlines (airline_name, origin, owner_name) values
('Wilkinson', 'USA', 'Andrew Tat');
insert into airlines (airline_name, origin, owner_name) values ('Ali
baba', 'China', 'Ora Milch');
```

```
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('002dfaa2004l', 1516, 458, 32567, 'AirIndia');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('486k457e578o', 1025, 618, 78002, 'Akasa');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('034d412i551i', 3325, 199, 22651, 'QuatarAir');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('072l503h392w', 4825, 965, 27028, 'Green Inc');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('509a824b822e', 5864, 905, 44728, 'Indigo');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('577i104t370n', 8836, 399, 43087, 'Wilkinson');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('922h751z586r', 5343, 279, 41360, 'Ali baba');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('049u288d299h', 8022, 824, 52725, 'AirIndia');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('992c298l837i', 7378, 483, 44627, 'Akasa');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('595x181m605k', 3922, 398, 70565, 'QuatarAir');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('496n804f996e', 8581, 213, 72029, 'Green Inc');
```

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insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('234n433e531k', 7457, 653, 42206, 'Indigo');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('084f255r327i', 8038, 102, 84916, 'Wilkinson');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('778x859m960z', 8582, 654, 60568, 'Ali baba');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('251z931n772s', 5960, 724, 82000, 'AirIndia');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('141k027l868o', 2087, 108, 78039, 'Akasa');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('936j840v023h', 1460, 702, 63651, 'QuatarAir');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('876k547s520f', 2276, 675, 68923, 'Green Inc');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('709y031j900k', 8459, 432, 77154, 'Indigo');
insert into flight (flight_id, model_number, capacity, weight,
airline_name) values ('968m838i262q', 7903, 582, 27103, 'Wilkinson');
```

```sql
insert into airport (airport_id, airport_name, airport_city) values (1, 'Shivaji', 'Mumbai');
insert into airport (airport_id, airport_name, airport_city) values (2, 'Indira Gandhi', 'Delhi');
insert into airport (airport_id, airport_name, airport_city) values (3, 'Sardar Patel', 'Ahmedabad');
insert into airport (airport_id, airport_name, airport_city) values (4, 'Netaji Bose', 'Kolkata');
insert into airport (airport_id, airport_name, airport_city) values (5, 'Rajiv Gandhi', 'Hyderabad');
insert into airport (airport_id, airport_name, airport_city) values (6, 'Ambedkar', 'Nagpur');
insert into airport (airport_id, airport_name, airport_city) values (7, 'Dubai INTL', 'Dubai');
insert into airport (airport_id, airport_name, airport_city) values (8, 'Heathrow', 'London');
insert into airport (airport_id, airport_name, airport_city) values (9, 'Hamad', 'Doha');
insert into airport (airport_id, airport_name, airport_city) values (10, 'Charles De Gaulle', 'Paris');
insert into airport (airport_id, airport_name, airport_city) values (11, 'Narita', 'Tokyo');
insert into airport (airport_id, airport_name, airport_city) values (12, 'Hong Kong Intl', 'Hong Kong');
insert into airport (airport_id, airport_name, airport_city) values (13, 'Incheon' , 'Seoul');
insert into airport (airport_id, airport_name, airport_city) values (14, 'Shanghai Pudong', 'Shanghai');
insert into airport (airport_id, airport_name, airport_city) values (15, 'JFK', 'New York');
insert into airport (airport_id, airport_name, airport_city) values (16, 'MIA', 'Miami');
insert into airport (airport_id, airport_name, airport_city) values (17, 'Cairo Intl', 'Cairo');
insert into airport (airport_id, airport_name, airport_city) values (18, 'Rhein-Main-Flughafen', 'Frankfurt');
insert into airport (airport_id, airport_name, airport_city) values (19, 'Meenambakkam', 'Chennai');
insert into airport (airport_id, airport_name, airport_city) values (20, 'Kingsford Smith' ,'Sydney');
```