

```
DROP SCHEMA airline CASCADE;
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```
CREATE SCHEMA airline;
```

```
SET search_path TO airline;
```

```
CREATE TABLE company
(
    c_id          CHAR(3) PRIMARY KEY NOT NULL,
    c_name        VARCHAR(20) NOT NULL,
    head_quarter  VARCHAR(20),
    company_url   VARCHAR(30)
);
```

```
CREATE TABLE flight_status
(
    flight_status_id CHAR(1) PRIMARY KEY NOT NULL,
    flight_status_name VARCHAR(20) NOT NULL
);
```

```
CREATE TABLE flight_detail
(
    flight_no      CHAR(5) PRIMARY KEY NOT NULL,
    flight_name    VARCHAR(30) NOT NULL,
    c_id          CHAR(3),
    flight_status_id CHAR(1) REFERENCES flight_status(flight_status_id),
    FOREIGN KEY(c_id) REFERENCES company(c_id)
);
```

```
CREATE TABLE route
(
    route_id      CHAR(4) PRIMARY KEY NOT NULL,
    source        VARCHAR(20) NOT NULL,
    destination    VARCHAR(20) NOT NULL,
    distance      INT
);
```

```
CREATE TABLE days
(
    day_id        VARCHAR(4) PRIMARY KEY NOT NULL,
    day_name      VARCHAR(13) NOT NULL
);
```

```
CREATE TABLE all_path
(
    flight_no CHAR(5) REFERENCES flight_detail(flight_no),
    route_id  CHAR(4) REFERENCES route(route_id),
    PRIMARY KEY(flight_no, route_id)
);
```

```
CREATE TABLE flight_route
(
    flight_no          CHAR(5) REFERENCES flight_detail(flight_no),
    flight_route_id    CHAR(6) NOT NULL,
    depart_time        TIME NOT NULL,
    arrival_time        TIME NOT NULL,

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        day_id          VARCHAR(4) NOT NULL REFERENCES days(day_id),
        route_id        CHAR(4) NOT NULL REFERENCES route(route_id),
        PRIMARY KEY(flight_route_id, flight_no)
    );

CREATE TABLE users
(
    user_id      CHAR(9) PRIMARY KEY NOT NULL,
    fname       VARCHAR(15) NOT NULL,
    lname       VARCHAR(15),
    gender      VARCHAR(10) NOT NULL,
    dob         DATE NOT NULL,
    emailid     VARCHAR(30),
    contact_no  CHAR(10),
    state       VARCHAR(15),
    country     VARCHAR(15)
);

create table class (
    class_id int primary key NOT NULL,
    class_name varchar(20)
);

CREATE TABLE ticket
(
    pnr_no      CHAR(10) NOT NULL,
    user_id     CHAR(9) NOT NULL,
    flight_no   CHAR(5) REFERENCES flight_detail(flight_no),
    class_id    int,
    route_id    CHAR(4) REFERENCES route(route_id),
    ticket_date DATE NOT NULL,
    journey_date DATE NOT NULL,
    PRIMARY KEY(pnr_no)
);

CREATE TABLE passenger_status
(
    passenger_status_id CHAR(3) PRIMARY KEY NOT NULL,
    passenger_status_name VARCHAR(15)
);

CREATE TABLE passenger
(
    pnr_no CHAR(10) REFERENCES ticket(pnr_no),
    seat_no INT NOT NULL,
    fname VARCHAR(15) NOT NULL,
    lname VARCHAR(15),
    gender VARCHAR(10),
    age INT,
    passenger_status_id char(3) NOT NULL REFERENCES
passenger_status(passenger_status_id),
    PRIMARY KEY(pnr_no, seat_no)
);

CREATE TABLE fare_detail
(
    route_id    char(4) NOT NULL references route(route_id),

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class_id          int references class(class_id),
passenger_status_id CHAR(3) NOT NULL REFERENCES
passenger_status(passenger_status_id),
fare              INT NOT NULL,
flight_no         CHAR(5) REFERENCES flight_detail(flight_no),
primary key (class_id,flight_no,passenger_status_id,route_id)
);
```