docker run --name AgencyDB -p 5432:5432 -e POSTGRES\_USER=postgres -e POSTGRES\_PASSWORD=password -e POSTGRES\_DB=agencydb -d postgres

docker exec -t AgencyDB pg\_dumpall -c -U postgres > AgencyDB.sql

cat AgencyDB.sql | docker exec -i AgencyDB psql -U postgres

cat AgencyDB.sql | docker exec -i AgencyDB psql -U postgres -d agencydb

CREATE EXTENSION "uuid-ossp";

CREATE TABLE HOTELS(  
 id uuid DEFAULT *uuid\_generate\_v4*() PRIMARY KEY,  
 name varchar(30),  
 address varchar(50),  
 stars integer,  
 rating float,  
 services text  
);

CREATE TABLE directions(  
 id uuid DEFAULT *uuid\_generate\_v4*() PRIMARY KEY,  
 name varchar(30) NOT NULL,  
 country varchar(30) NOT NULL,  
 description text,  
 popularity float  
);

CREATE TABLE flights(  
 id uuid DEFAULT *uuid\_generate\_v4*() PRIMARY KEY,  
 number int NOT NULL,  
 departure\_date date NOT NULL,  
 arrival\_date date NOT NULL,  
 cost decimal NOT NULL,  
 company varchar(30) NOT NULL,  
 CONSTRAINT cost\_above\_zerp CHECK (cost > 0)  
);

CREATE TABLE bookings(  
 id uuid DEFAULT *uuid\_generate\_v4*() PRIMARY KEY,  
 direction\_id uuid,  
 hotel\_id uuid,  
 flight\_id uuid,  
 name varchar(30),  
 surname varchar(30),  
 booking\_date date,  
 status varchar(15),  
 FOREIGN KEY (direction\_id) REFERENCES directions(id) ON DELETE SET NULL ON UPDATE CASCADE,  
 FOREIGN KEY (hotel\_id) REFERENCES hotels(id) ON DELETE SET NULL ON UPDATE CASCADE,  
 FOREIGN KEY (flight\_id) REFERENCES flights(id) ON DELETE SET NULL ON UPDATE CASCADE  
);

CREATE TABLE reviews(  
 id uuid DEFAULT *uuid\_generate\_v4*(),  
 booking\_id uuid,  
 review\_text text,  
 grade float,  
 review\_date date,  
 PRIMARY KEY (id, booking\_id),  
 FOREIGN KEY (booking\_id) REFERENCES bookings(id) ON DELETE CASCADE ON UPDATE CASCADE,  
 CONSTRAINT grade\_constraint CHECk (grade >= 0 and grade <= 10)  
);

INSERT INTO HOTELS (name, address, stars, rating, services) VALUES  
('Hotel Sunshine', '123 Beach Ave', 5, 9.1, 'WiFi, Pool, Spa'),  
('Mountain Retreat', '456 Hill St', 4, 8.5, 'WiFi, Breakfast, Parking'),  
('City Central', '789 Main Rd', 3, 7.8, 'WiFi, Gym'),  
('Ocean View', '321 Ocean Dr', 5, 9.3, 'WiFi, Pool, Gym, Spa'),  
('Budget Inn', '654 Budget Ln', 2, 6.4, 'WiFi, Parking'),  
('Luxury Suites', '987 Luxury Blvd', 5, 9.7, 'WiFi, Pool, Spa, Gym, Breakfast'),  
('Country Lodge', '111 Country Rd', 4, 8.2, 'WiFi, Breakfast, Parking'),  
('Urban Stay', '222 City St', 3, 7.5, 'WiFi, Gym, Parking'),  
('Seaside Hotel', '333 Seaside Ave', 4, 8.9, 'WiFi, Pool, Breakfast'),  
('Downtown Hotel', '444 Downtown St', 3, 7.2, 'WiFi, Parking'),  
('Airport Hotel', '555 Airport Rd', 4, 8.0, 'WiFi, Breakfast, Parking'),  
('Historic Hotel', '666 Historic Ln', 5, 9.0, 'WiFi, Spa, Breakfast'),  
('Business Hotel', '777 Business Blvd', 4, 8.3, 'WiFi, Gym, Parking'),  
('Family Hotel', '888 Family St', 3, 7.6, 'WiFi, Pool, Breakfast'),  
('Boutique Hotel', '999 Boutique Ave', 5, 9.5, 'WiFi, Spa, Gym, Breakfast');

INSERT INTO directions (name, country, description, popularity) VALUES  
('Paris', 'France', 'City of Light', 9.8),  
('Tokyo', 'Japan', 'Land of the Rising Sun', 9.5),  
('New York', 'USA', 'The Big Apple', 9.7),  
('London', 'UK', 'Capital of England', 9.6),  
('Sydney', 'Australia', 'Harbour City', 9.4),  
('Rome', 'Italy', 'The Eternal City', 9.3),  
('Berlin', 'Germany', 'Capital of Germany', 9.2),  
('Bangkok', 'Thailand', 'City of Angels', 9.1),  
('Dubai', 'UAE', 'City of Gold', 9.0),  
('Barcelona', 'Spain', 'City of Gaudi', 8.9),  
('Moscow', 'Russia', 'Capital of Russia', 8.8),  
('Istanbul', 'Turkey', 'City of Two Continents', 8.7),  
('Rio de Janeiro', 'Brazil', 'Marvelous City', 8.6),  
('Cape Town', 'South Africa', 'Mother City', 8.5),  
('Hong Kong', 'China', 'Asia’s World City', 8.4);

INSERT INTO flights (number, departure\_date, arrival\_date, cost, company) VALUES  
(101, '2024-10-01', '2024-10-02', 500.00, 'Airline A'),  
(102, '2024-10-03', '2024-10-04', 450.00, 'Airline B'),  
(103, '2024-10-05', '2024-10-06', 600.00, 'Airline C'),  
(104, '2024-10-07', '2024-10-08', 550.00, 'Airline D'),  
(105, '2024-10-09', '2024-10-10', 700.00, 'Airline E'),  
(106, '2024-10-11', '2024-10-12', 650.00, 'Airline F'),  
(107, '2024-10-13', '2024-10-14', 400.00, 'Airline G'),  
(108, '2024-10-15', '2024-10-16', 750.00, 'Airline H'),  
(109, '2024-10-17', '2024-10-18', 800.00, 'Airline I'),  
(110, '2024-10-19', '2024-10-20', 850.00, 'Airline J'),  
(111, '2024-10-21', '2024-10-22', 900.00, 'Airline K'),  
(112, '2024-10-23', '2024-10-24', 950.00, 'Airline L'),  
(113, '2024-10-25', '2024-10-26', 1000.00, 'Airline M'),  
(114, '2024-10-27', '2024-10-28', 1050.00, 'Airline N'),  
(115, '2024-10-29', '2024-10-30', 1100.00, 'Airline O');

INSERT INTO bookings (direction\_id, hotel\_id, flight\_id, name, surname, booking\_date, status) VALUES  
('75fb288b-368b-461b-afe5-6318c5576834', '40170125-0dbe-4ae8-9dcd-edadcff25d8d', '10fa75f0-8dfe-4e8e-bcb4-8f6af92dac75', 'John', 'Doe', '2024-09-01', 'Confirmed'),  
('faff8b6d-5b9f-48e7-b823-501d7fb16e8d', '6c3be25e-685e-4ec5-86ff-cb7caed16e96', 'a35b451e-8c80-44fc-84c7-016943e46cf2', 'Jane', 'Smith', '2024-09-02', 'Pending'),  
('92306ed5-eee0-4a03-a83c-470039c53f8d', '87acec1e-56fc-40a0-824e-50e314e71829', '9b8b7cd9-af03-44b3-8aca-883775a6fc3a', 'Alice', 'Johnson', '2024-09-03', 'Cancelled'),  
('b26ce04a-5c75-4232-9ad9-d83abc175bf7', '7f23a9c2-fd42-41df-b753-1232ab102a98', '353a3ca6-ea4b-48f4-88e8-9edca9cb5499', 'Bob', 'Brown', '2024-09-04', 'Confirmed'),  
('bfcdb054-6606-4b7f-b3fc-4a0e05ecae71', '6c8803b5-8e61-4305-8dc3-102384ef35e3', 'b47cf8ff-3423-4d91-8ebd-022690937d36', 'Charlie', 'Davis', '2024-09-05', 'Pending'),  
('7f015771-d8b6-4cb3-bbe5-f3a820e9db3b', '5c6e4eae-d0c1-41f6-8007-64d8dec28f3d', 'de24664b-b4ca-421d-8f68-d8e576aad1e5', 'David', 'Wilson', '2024-09-06', 'Cancelled'),  
('8d59b6df-18a5-40a6-a58b-fe20c512ed9b', '2be82b5a-8adf-45f6-b516-363a41dad44e', '8e58af11-1701-40ac-93bf-e9127a9b3efa', 'Eve', 'Taylor', '2024-09-07', 'Confirmed'),  
('042b23fd-4469-421c-9fd1-2bf55cc156f9', 'c90dfeaf-bb12-4f98-9dfd-d98a2f2d95d2', 'cbd4bbce-9005-4758-b64b-ab7e27548aa8', 'Frank', 'Anderson', '2024-09-08', 'Pending'),  
('a19f2f32-b3b3-4e52-aa2e-5e8c57beb707', '2b016ab0-8ec1-4e3b-bcde-40f6fe886a39', '49896826-7247-4a87-9b14-3ef8eec344bb', 'Grace', 'Thomas', '2024-09-09', 'Cancelled'),  
('da7371d7-fe7f-4cfd-ab9d-379fe06cabc0', '650b5539-bfd9-44bf-9327-240e976d1c5e', '9853b9ee-589b-4aed-8c8f-467aedbd9439', 'Hank', 'Jackson', '2024-09-10', 'Confirmed'),  
('6110ac8e-0b6b-4871-b8bd-f23aa845023b', '6f48ae8e-9336-4e11-9703-f686195efea3', 'f3b7613c-59e2-411a-be34-8ec0a253f976', 'Ivy', 'White', '2024-09-11', 'Pending'),  
('70bf92d7-4dee-4bae-821e-6ad2ca6a3f1d', 'c2dfe10f-c3f3-4fa4-be97-fd767f66f04c', 'e66131aa-a20b-4c14-9724-52082cf1865c', 'Jack', 'Harris', '2024-09-12', 'Cancelled'),  
('bd5ebd25-1afd-4594-bc8a-f4a1a0414a85', '18294973-9df5-4a88-8415-6e4b3c866a5e', 'e453bf10-e304-45b9-a3a6-3640d5d68aa7', 'Karen', 'Martin', '2024-09-13', 'Confirmed'),  
('402778c9-38cf-4be0-8a4c-544f078fb341', '0c0357e9-dd9f-4c72-9742-d7a92e82c5d5', '6c3ba82a-5982-4ad6-b675-f313e47ed0be', 'Leo', 'Garcia', '2024-09-14', 'Pending'),  
('1f8892a1-9243-4867-bce9-faca7f096d5e', '595aa6e3-3b09-416f-9843-fe1ca93ca926', '720004bf-cbe9-4cc2-a5a6-7b1954d1c660', 'Mia', 'Martinez', '2024-09-15', 'Cancelled');

INSERT INTO reviews (booking\_id, review\_text, grade, review\_date) VALUES  
('248c2eb7-f0ac-4939-9016-e9f09bc9984c', 'Great experience!', 9.0, '2024-09-16'),  
('61a69990-e77e-40fa-bbdb-aabeb7c29706', 'Good service.', 8.0, '2024-09-17'),  
('5c18f76e-a3fa-431d-adeb-a3a177ce1489', 'Average stay.', 6.0, '2024-09-18'),  
('c445b8ed-e40d-4858-899e-75bd0a2e8c52', 'Not satisfied.', 4.0, '2024-09-19'),  
('63367bb9-4dc5-40ca-af0f-13113673644c', 'Excellent!', 10.0, '2024-09-20'),  
('06035ad5-c6fa-4f87-a41b-e0e7f43578b0', 'Could be better.', 5.0, '2024-09-21'),  
('0aa170c9-dc7b-4c34-978c-06be67cf4c05', 'Loved it!', 9.5, '2024-09-22'),  
('54da4a12-b518-4f32-b72d-6cf28be10541', 'Just okay.', 7.0, '2024-09-23'),  
('a3595444-6ecb-478c-8d92-753b665bc21a', 'Terrible experience.', 2.0, '2024-09-24'),  
('12f28bfe-10f5-42fa-9055-04a985301553', 'Fantastic!', 9.8, '2024-09-25'),  
('8662fc50-7a8b-479a-9afb-ec9015ff8208', 'Good value.', 8.5, '2024-09-26'),  
('039a80a7-3059-463e-b5b6-403b2a675e2e', 'Not worth it.', 3.0, '2024-09-27'),  
('13552489-7e05-4adb-b4d4-243f3d4da5a0', 'Very nice.', 8.8, '2024-09-28'),  
('608af4b4-ea52-4d98-95d6-2b4a71de2dbe', 'Disappointing.', 4.5, '2024-09-29'),  
('74c66112-67e1-44f7-8ed0-19d30009baa3', 'Highly recommend!', 9, '2024-09-30');