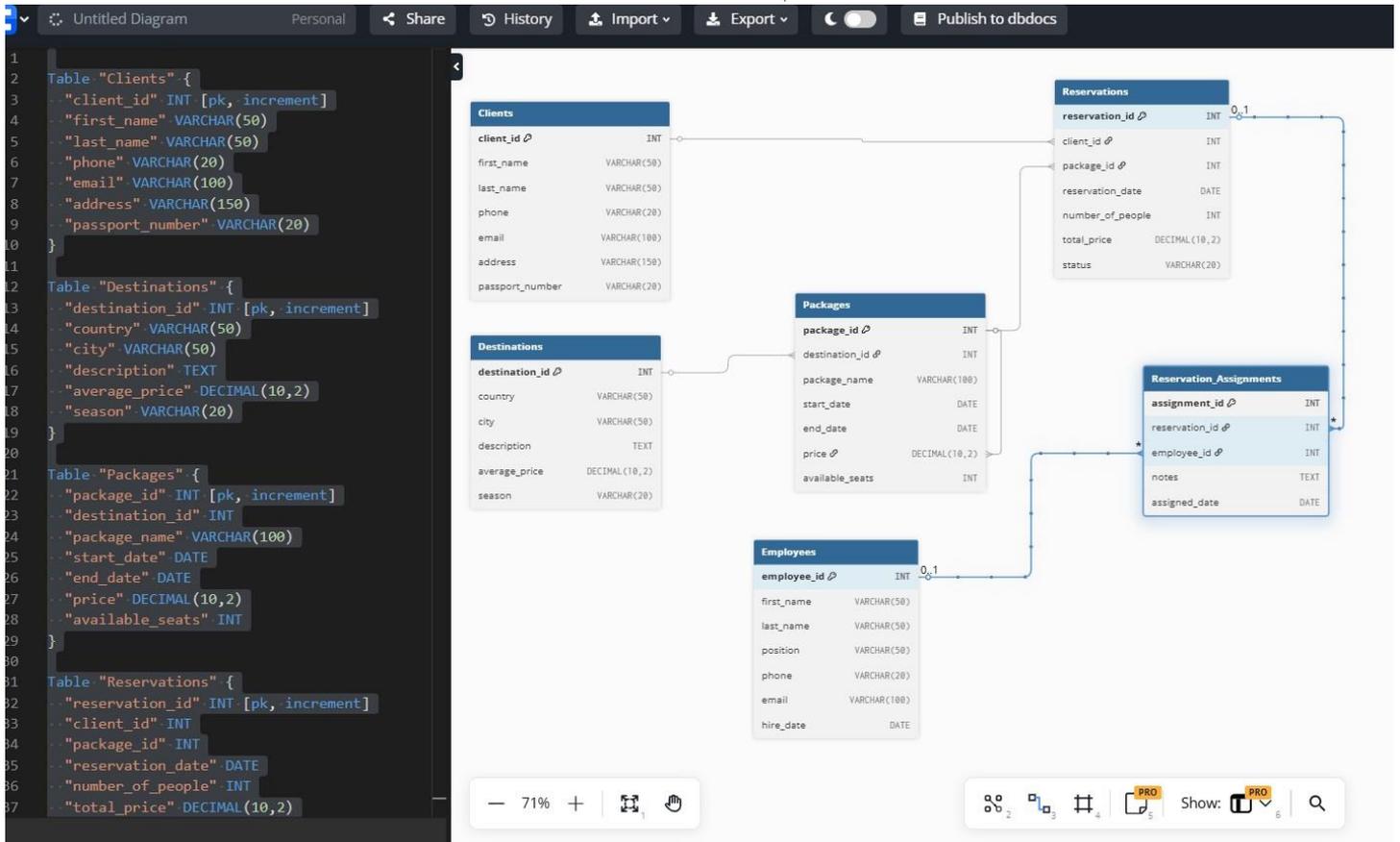# Рекламна агенция


```
-- Таблица за клиенти
CREATE TABLE Clients (
    client_id INT PRIMARY KEY AUTO_INCREMENT,
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    phone VARCHAR(20),
    email VARCHAR(100),
    address VARCHAR(150),
    passport_number VARCHAR(20)
);

-- Таблица за дестинации
CREATE TABLE Destinations (
    destination_id INT PRIMARY KEY AUTO_INCREMENT,
    country VARCHAR(50),
    city VARCHAR(50),
    description TEXT,
    average_price DECIMAL(10,2),
    season VARCHAR(20)
);

-- Таблица за пакети (екскурзии/оферти)
CREATE TABLE Packages (
    package_id INT PRIMARY KEY AUTO_INCREMENT,
    destination_id INT,
    package_name VARCHAR(100),
    start_date DATE,
    end_date DATE,
    price DECIMAL(10,2),
    available_seats INT,
```

```sql
    FOREIGN KEY (destination_id) REFERENCES Destinations(destination_id)
);

-- Таблица за резервации
CREATE TABLE Reservations (
    reservation_id INT PRIMARY KEY AUTO_INCREMENT,
    client_id INT,
    package_id INT,
    reservation_date DATE,
    number_of_people INT,
    total_price DECIMAL(10,2),
    status VARCHAR(20),
    FOREIGN KEY (client_id) REFERENCES Clients(client_id),
    FOREIGN KEY (package_id) REFERENCES Packages(package_id)
);

-- Таблица за служители
CREATE TABLE Employees (
    employee_id INT PRIMARY KEY AUTO_INCREMENT,
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    position VARCHAR(50),
    phone VARCHAR(20),
    email VARCHAR(100),
    hire_date DATE
);

-- Таблица за обслужване на резервации от служители
CREATE TABLE Reservation_Assignments (
    assignment_id INT PRIMARY KEY AUTO_INCREMENT,
    reservation_id INT,
    employee_id INT,
    notes TEXT,
    assigned_date DATE,
    FOREIGN KEY (reservation_id) REFERENCES Reservations(reservation_id),
    FOREIGN KEY (employee_id) REFERENCES Employees(employee_id)
);

-- Клиенти
INSERT INTO Clients (first_name, last_name, phone, email, address, passport_number) VALUES
('Ivan', 'Petrov', '0888123456', 'ivan.petrov@mail.bg', 'Sofia, Bulgaria', 'BG123456'),
('Maria', 'Georgieva', '0888234567', 'maria.geo@mail.bg', 'Varna, Bulgaria', 'BG234567'),
('Georgi', 'Dimitrov', '0888345678', 'georgi.d@mail.bg', 'Plovdiv, Bulgaria', 'BG345678'),
('Elena', 'Stoyanova', '0888456789', 'elena.st@mail.bg', 'Burgas, Bulgaria', 'BG456789'),
('Petya', 'Koleva', '0888567890', 'petya.k@mail.bg', 'Ruse, Bulgaria', 'BG567890'),
('Nikolay', 'Hristov', '0888678901', 'nik.hr@mail.bg', 'Veliko Tarnovo, Bulgaria', 'BG678901'),
('Dimitar', 'Ivanov', '0888789012', 'dim.ivan@mail.bg', 'Stara Zagora, Bulgaria', 'BG789012'),
('Svetlana', 'Popova', '0888890123', 'sv.pop@mail.bg', 'Shumen, Bulgaria', 'BG890123');

-- Дестинации
INSERT INTO Destinations (country, city, description, average_price, season) VALUES
('Italy', 'Rome', 'Historical tour', 1200, 'Spring'),
('France', 'Paris', 'Romantic getaway', 1500, 'Summer'),
('Spain', 'Barcelona', 'Beach and culture', 1100, 'Summer'),
('Greece', 'Athens', 'Ancient history', 900, 'Spring'),
('Turkey', 'Istanbul', 'Cultural mix', 800, 'Autumn'),
```

('Egypt', 'Cairo', 'Pyramids and Nile', 1300, 'Winter'),
('Germany', 'Berlin', 'City break', 1000, 'Autumn'),
('UK', 'London', 'Urban adventure', 1400, 'Winter');

-- Пакети
INSERT INTO Packages (destination_id, package_name, start_date, end_date, price, available_seats) VALUES
(1, 'Rome Highlights', '2025-04-01', '2025-04-07', 1250, 20),
(2, 'Paris Summer Love', '2025-07-10', '2025-07-17', 1550, 15),
(3, 'Barcelona Fiesta', '2025-08-05', '2025-08-12', 1150, 25),
(4, 'Athens Classic', '2025-05-15', '2025-05-22', 950, 30),
(5, 'Istanbul Explorer', '2025-09-01', '2025-09-07', 850, 18),
(6, 'Cairo Adventure', '2025-12-10', '2025-12-17', 1350, 12),
(7, 'Berlin Weekend', '2025-10-20', '2025-10-24', 1050, 22),
(8, 'London Calling', '2025-01-15', '2025-01-22', 1450, 16);

-- Резервации
INSERT INTO Reservations (client_id, package_id, reservation_date, number_of_people, total_price, status) VALUES
(1, 1, '2025-03-01', 2, 2500, 'Confirmed'),
(2, 2, '2025-06-15', 1, 1550, 'Confirmed'),
(3, 3, '2025-07-20', 3, 3450, 'Pending'),
(4, 4, '2025-04-10', 2, 1900, 'Confirmed'),
(5, 5, '2025-08-15', 4, 3400, 'Cancelled'),
(6, 6, '2025-11-01', 2, 2700, 'Confirmed'),
(7, 7, '2025-09-25', 1, 1050, 'Confirmed'),
(8, 8, '2024-12-20', 2, 2900, 'Confirmed');

-- Служители
INSERT INTO Employees (first_name, last_name, position, phone, email, hire_date) VALUES
('Petar', 'Ivanov', 'Agent', '0888123000', 'petar.iv@mail.bg', '2022-01-10'),
('Anna', 'Koleva', 'Agent', '0888234000', 'anna.k@mail.bg', '2021-05-20'),
('Stefan', 'Georgiev', 'Manager', '0888345000', 'stef.geo@mail.bg', '2020-09-15'),
('Viktoria', 'Dimitrova', 'Agent', '0888456000', 'vik.dim@mail.bg', '2023-03-01'),
('Kiril', 'Stoyanov', 'Agent', '0888567000', 'kiril.st@mail.bg', '2022-07-12'),
('Mila', 'Petrova', 'Accountant', '0888678000', 'mila.p@mail.bg', '2019-11-05'),
('Rosen', 'Hristov', 'Agent', '0888789000', 'rosen.hr@mail.bg', '2021-02-17'),
('Daniela', 'Popova', 'Agent', '0888890000', 'dan.pop@mail.bg', '2023-06-25');

-- Обслужване на резервации
INSERT INTO Reservation_Assignments (reservation_id, employee_id, notes, assigned_date) VALUES
(1, 1, 'Handled Rome trip', '2025-03-02'),
(2, 2, 'Paris booking confirmed', '2025-06-16'),
(3, 4, 'Pending Barcelona trip', '2025-07-21'),
(4, 5, 'Athens package confirmed', '2025-04-11'),
(5, 7, 'Cancelled Istanbul trip', '2025-08-16'),
(6, 3, 'Cairo adventure handled', '2025-11-02'),
(7, 8, 'Berlin weekend booked', '2025-09-26'),
(8, 6, 'London trip finalized', '2024-12-21');
--Справка за всички резервации на клиенти от София
SELECT r.reservation_id, c.first_name, c.last_name, p.package_name, r.total_price
FROM Reservations r
JOIN Clients c ON r.client_id = c.client_id
JOIN Packages p ON r.package_id = p.package_id
WHERE c.address LIKE '%Sofia%'
ORDER BY r.total_price DESC;

```sql
--Средна цена на пакетите по държава
SELECT d.country, AVG(p.price) AS avg_price
FROM Packages p
JOIN Destinations d ON p.destination_id = d.destination_id
GROUP BY d.country
ORDER BY avg_price DESC;
--Общ приход от резервации по служител
SELECT e.first_name, e.last_name, SUM(r.total_price) AS total_revenue
FROM Reservation_Assignments ra
JOIN Employees e ON ra.employee_id = e.employee_id
JOIN Reservations r ON ra.reservation_id = r.reservation_id
WHERE r.status = 'Confirmed'
GROUP BY e.employee_id
ORDER BY total_revenue DESC;


--Клиенти с повече от 2 души в резервация
SELECT c.first_name, c.last_name, r.number_of_people, p.package_name
FROM Reservations r
JOIN Clients c ON r.client_id = c.client_id
JOIN Packages p ON r.package_id = p.package_id
WHERE r.number_of_people > 2
ORDER BY r.number_of_people DESC


--Брой резервации по статус
SELECT r.status, COUNT(*) AS count_reservations
FROM Reservations r
GROUP BY r.status
ORDER BY count_reservations DESC;;
```