

```

00.
CREATE DATABASE hotel_db;

CREATE TABLE departments (
    id serial PRIMARY KEY,
    name VARCHAR(50)
);

INSERT INTO departments(name)
VALUES
('Front Office'), ('Support'), ('Kitchen'), ('Other');

CREATE TABLE employees (
    id serial PRIMARY KEY,
    first_name VARCHAR(50) NOT NULL,
    last_name VARCHAR(50) NOT NULL,
    job_title VARCHAR(50) NOT NULL,
    department_id INT NOT NULL,
    salary double precision NOT NULL
);

INSERT INTO employees (first_name, last_name, job_title, department_id, salary)
VALUES
('John', 'Smith', 'Manager', 1, 900.00),
('John', 'Johnson', 'Customer Service', 2, 880.00),
('Smith', 'Johnson', 'Porter', 4, 1100.00),
('Peter', 'Petrov', 'Front Desk Clerk', 1, 1100.00),
('Peter', 'Ivanov', 'Sales', 2, 1500.23),
('Ivan', 'Petrov', 'Waiter', 3, 990.00),
('Jack', 'Jackson', 'Executive Chef', 3, 1800.00),
('Pedro', 'Petrov', 'Front Desk Supervisor', 1, 2100.00),
('Nikolay', 'Ivanov', 'Housekeeping', 4, 1600.00);

CREATE TABLE rooms (
    id serial PRIMARY KEY,
    "type" VARCHAR(30)
);

INSERT INTO rooms("type") VALUES('apartment'), ('single room');

CREATE TABLE clients (
    id serial PRIMARY KEY,
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    room_id INT NOT NULL
);

INSERT INTO clients(first_name, last_name, room_id)
VALUES
('Pesho', 'Petrov', 1),
('Gosho', 'Georgiev', 2),
('Mariya', 'Marieva', 28),
('Katya', 'Katerinova', 12),
('Nikolay', 'Nikolaev', 29),
('Kate', NULL, 21),
('Steven', NULL, 15),
('Christo', NULL, 17);

```

```
CREATE TABLE projects (  
    id serial PRIMARY KEY,  
    name VARCHAR(50),  
    start_date DATE  
);
```

```
CREATE TABLE towns (  
    id serial PRIMARY KEY,  
    name VARCHAR(50)  
);
```

```
01.  
SELECT id,  
    CONCAT(first_name, ' ', last_name) AS "Full Name",  
    job_title AS "Job Title"  
FROM employees;
```

```
02.  
SELECT  
    id,  
    CONCAT(first_name, ' ', last_name) AS full_name,  
    job_title,  
    salary  
FROM  
    employees  
WHERE salary >1000  
ORDER BY id;
```

```
03.  
SELECT * from employees  
WHERE department_id = 4 and salary >= 1000  
ORDER BY id;
```

```
04.  
INSERT INTO employees(first_name, last_name, job_title, department_id, salary)  
VALUES  
    ('Samantha', 'Young', 'Housekeeping', 4, 900),  
    ('Roger', 'Palmer', 'Waiter', 3, 928.33 );  
--RETURNING *; --> in order to do rollback
```

```
SELECT * from employees;
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05.  
UPDATE employees  
SET salary = salary + 100  
WHERE job_title = 'Manager';
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```
SELECT * from employees  
WHERE job_title = 'Manager';
```

```
06.  
DELETE FROM employees  
WHERE department_id IN (1, 2);
```

```
SELECT * FROM employees  
ORDER BY id;
```

```
07.  
CREATE VIEW top_paid_employee AS  
SELECT  
    id,  
    first_name,  
    last_name,  
    job_title,  
    department_id,  
    salary  
FROM employees  
ORDER BY salary DESC  
LIMIT 1;  
  
SELECT * FROM top_paid_employee
```