create database test5;

use test5;

**– 1)**

create table patients (

patient\_id int PRIMARY KEY AUTO\_INCREMENT,

name varchar(50),

age int,

gender varchar(1),

city varchar(50),

date\_of\_admission date,

status varchar(50),

doctor\_id int,

Foreign Key (doctor\_id) REFERENCES doctors(doctor\_id)

);

**– 2)**

create table doctors (

doctor\_id int PRIMARY KEY AUTO\_INCREMENT,

name varchar(50),

age int,

gender varchar(1),

city varchar(50),

specialization varchar(50),

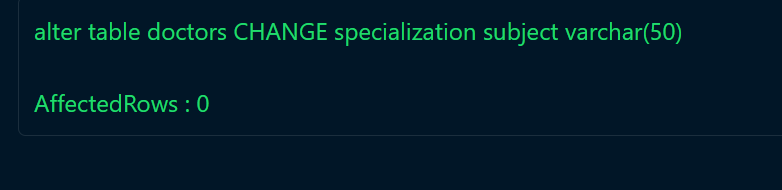
year\_of\_experience int,

salary int

);

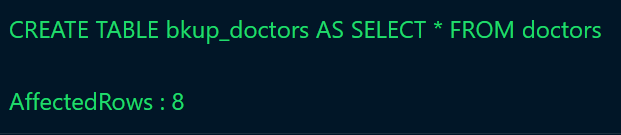
**-- 3)**

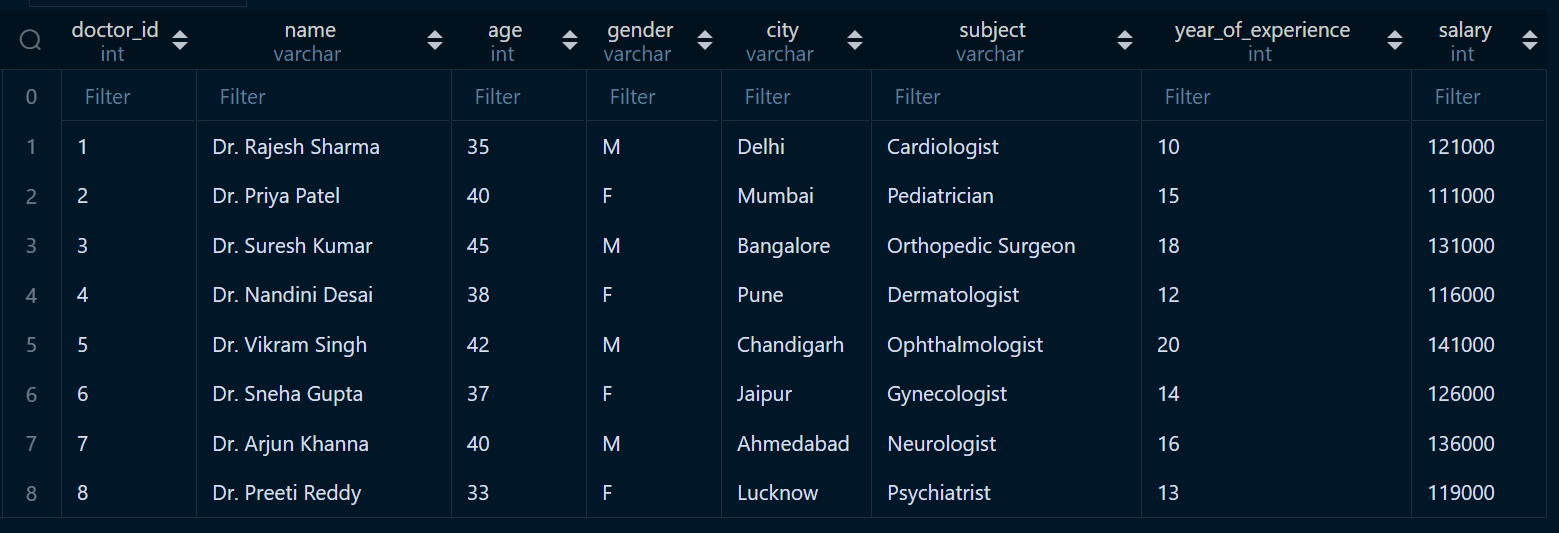
ALTER TABLE doctors CHANGE specialization subject VARCHAR(50);



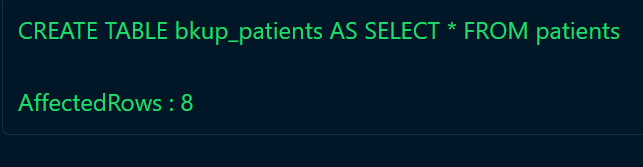
**-- 4)**

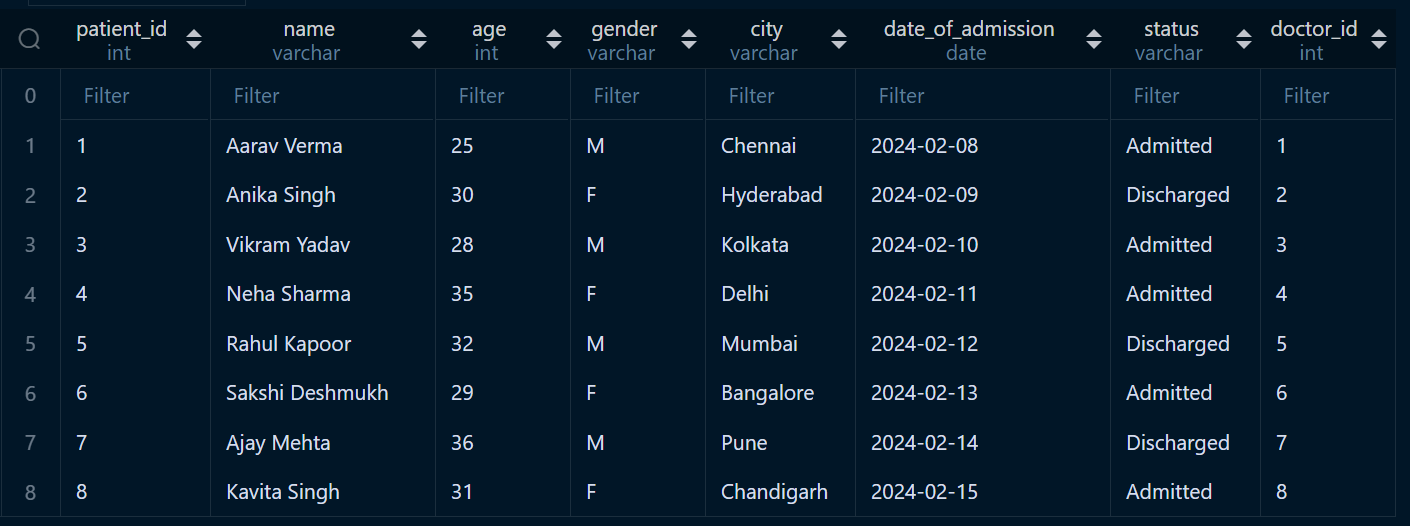
CREATE TABLE bkup\_doctors AS SELECT \* FROM doctors;





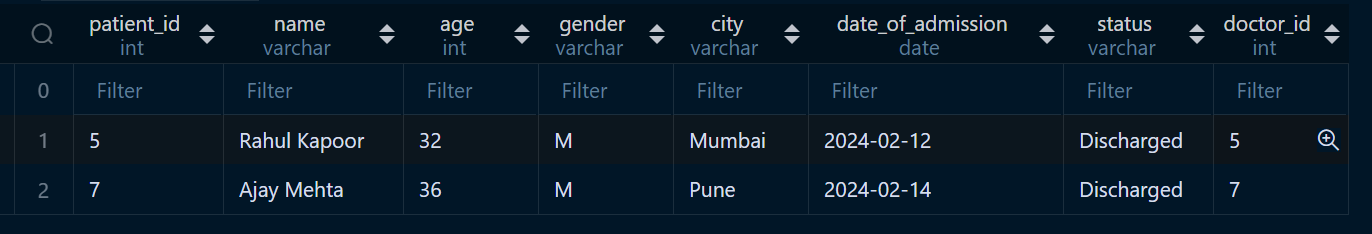
CREATE TABLE bkup\_patients AS SELECT \* FROM patients;





**-- 5)**

SELECT \* FROM patients WHERE city = 'Pune' OR city = 'Mumbai';



**-- 6)**

SELECT \* FROM doctors WHERE city = 'Ahmedabad' AND name LIKE('Dr. A%');



**-- 7)**

SELECT \* FROM doctors WHERE year\_of\_experience >= 4;

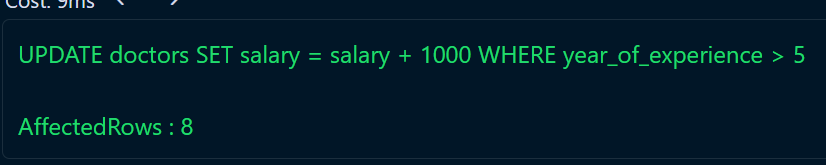


**-- 8)**

UPDATE doctors

SET salary = salary + 1000

WHERE year\_of\_experience > 5;

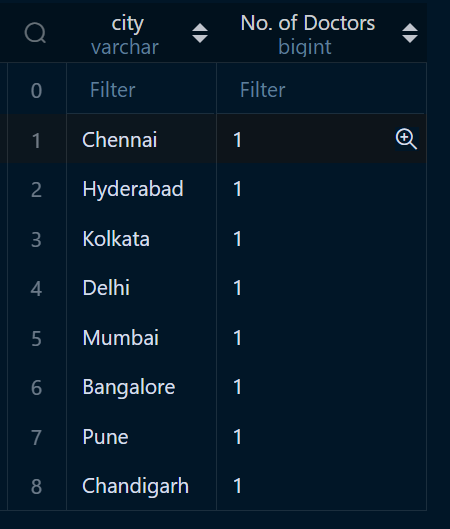




**-- 9)**

SELECT city, COUNT(city) as 'No. of Doctors' FROM patients

GROUP BY city;



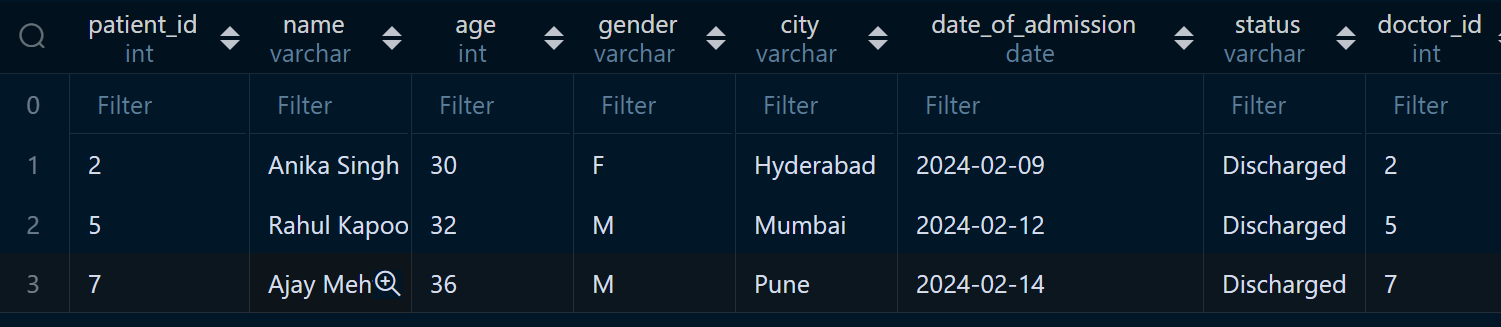
**-- 11)**

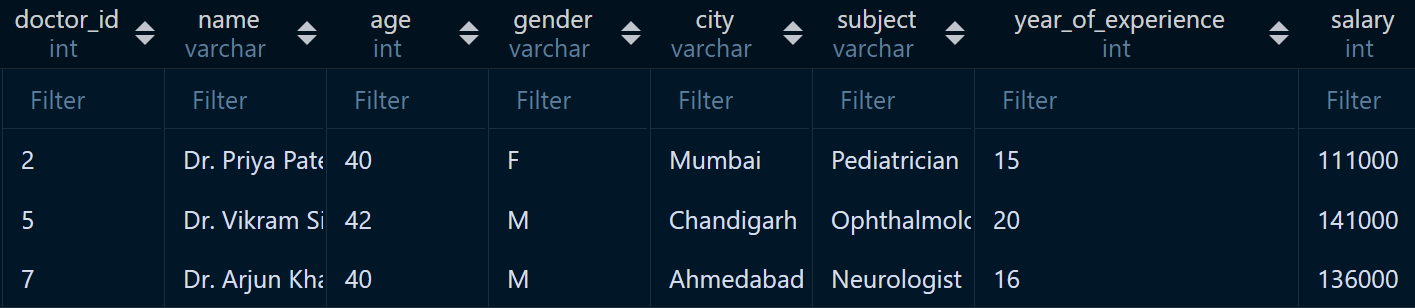
SELECT \* FROM patients p

JOIN doctors d

ON p.doctor\_id = d.doctor\_id

WHERE p.status = 'Discharged' && d.year\_of\_experience > 3;

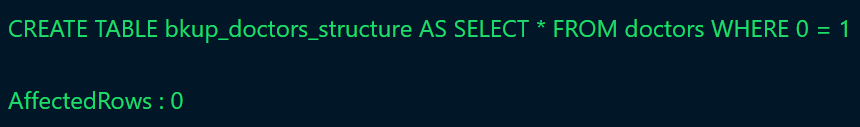


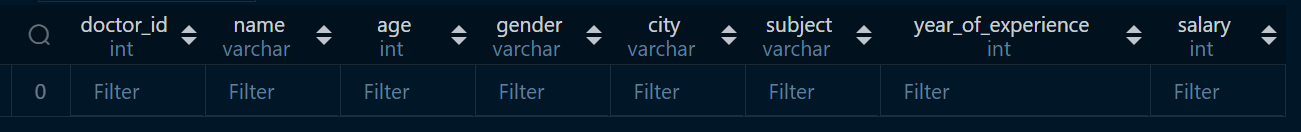


*Above table is contineous.*

**-- 12)**

CREATE TABLE bkup\_doctors\_structure AS SELECT \* FROM doctors WHERE 0 = 1;





CREATE TABLE bkup\_patients\_structure AS SELECT \* FROM patients WHERE 0 = 1;

