mysql>

mysql> CREATE TABLE doctor(

->

-> doctor\_id int PRIMARY key AUTO\_INCREMENT,

-> doctor\_name VARCHAR(30),

-> doctor\_age int,

-> doctor\_gender VARCHAR(10),

-> doctor\_city VARCHAR(20),

-> doctor\_year\_experience int,

-> doctor\_salary int,

-> doctor\_specialization VARCHAR(20)

->

-> );

Query OK, 0 rows affected (0.01 sec)

mysql>

mysql> CREATE TABLE patients(

->

-> patient\_id int PRIMARY key AUTO\_INCREMENT,

-> patient\_name VARCHAR(30),

-> patient\_age int,

-> patient\_gender VARCHAR(10),

-> patient\_city VARCHAR(20),

-> patient\_admission\_date DATE,

-> patient\_status VARCHAR(15),

-> doctor\_id int,

-> Foreign Key (doctor\_id) REFERENCES doctor(doctor\_id)

->

-> );

Query OK, 0 rows affected (0.01 sec)

mysql> desc doctor;

+------------------------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+------------------------+-------------+------+-----+---------+----------------+

| doctor\_id | int(11) | NO | PRI | NULL | auto\_increment |

| doctor\_name | varchar(30) | YES | | NULL | |

| doctor\_age | int(11) | YES | | NULL | |

| doctor\_gender | varchar(10) | YES | | NULL | |

| doctor\_city | varchar(20) | YES | | NULL | |

| doctor\_year\_experience | int(11) | YES | | NULL | |

| doctor\_salary | int(11) | YES | | NULL | |

| doctor\_specialization | varchar(20) | YES | | NULL | |

+------------------------+-------------+------+-----+---------+----------------+

8 rows in set (0.01 sec)

mysql> desc patients;

+------------------------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+------------------------+-------------+------+-----+---------+----------------+

| patient\_id | int(11) | NO | PRI | NULL | auto\_increment |

| patient\_name | varchar(30) | YES | | NULL | |

| patient\_age | int(11) | YES | | NULL | |

| patient\_gender | varchar(10) | YES | | NULL | |

| patient\_city | varchar(20) | YES | | NULL | |

| patient\_admission\_date | date | YES | | NULL | |

| patient\_status | varchar(15) | YES | | NULL | |

| doctor\_id | int(11) | YES | MUL | NULL | |

+------------------------+-------------+------+-----+---------+----------------+

8 rows in set (0.01 sec)

mysql> select \*from doctor

-> ;

+-----------+-------------+------------+---------------+-------------+------------------------+---------------+-----------------------+

| doctor\_id | doctor\_name | doctor\_age | doctor\_gender | doctor\_city | doctor\_year\_experience | doctor\_salary | doctor\_specialization |

+-----------+-------------+------------+---------------+-------------+------------------------+---------------+-----------------------+

| 1 | a | 25 | male | pune | 2 | 20000 | heart surgery |

| 2 | b | 30 | male | mumbai | 5 | 40000 | brain surgery |

| 3 | c | 40 | female | mumbai | 10 | 50000 | cancer |

| 4 | d | 35 | female | pune | 7 | 15000 | eyes |

| 5 | e | 38 | male | pune | 8 | 35000 | bones |

| 6 | f | 45 | male | delhi | 10 | 35000 | skin |

| 7 | g | 27 | female | kolkata | 3 | 20000 | general surgeon |

| 8 | h | 30 | female | pune | 4 | 20000 | general surgeon |

+-----------+-------------+------------+---------------+-------------+------------------------+---------------+-----------------------+

8 rows in set (0.00 sec)

mysql> select \*from patients;

+------------+--------------+-------------+----------------+--------------+------------------------+----------------+-----------+

| patient\_id | patient\_name | patient\_age | patient\_gender | patient\_city | patient\_admission\_date | patient\_status | doctor\_id |

+------------+--------------+-------------+----------------+--------------+------------------------+----------------+-----------+

| 1 | sam | 25 | male | pune | 2024-02-02 | discharged | 2 |

| 2 | max | 30 | male | mumbai | 2024-01-22 | admitted | 1 |

| 3 | ram | 45 | male | pune | 2024-02-07 | discharged | 3 |

| 4 | neel | 50 | male | mumbai | 2023-02-07 | admitted | 7 |

| 5 | indraneel | 55 | male | pune | 2023-09-27 | admitted | 8 |

| 6 | amit | 22 | male | mumbai | 2023-09-27 | admitted | 5 |

| 7 | shivam | 17 | male | kolkata | 2023-09-27 | admitted | 7 |

| 8 | shiv | 76 | male | pune | 2024-01-01 | discharged | 4 |

+------------+--------------+-------------+----------------+--------------+------------------------+----------------+-----------+

8 rows in set (0.00 sec)

3)

mysql> alter table doctor rename column doctor\_specialization to subject;

4)

mysql> create table bkup\_doctor as select \*from doctor;

Query OK, 8 rows affected (0.01 sec)

Records: 8 Duplicates: 0 Warnings: 0

mysql> create table bkup\_patients as select \*from patients;

Query OK, 8 rows affected (0.01 sec)

Records: 8 Duplicates: 0 Warnings: 0

5)

mysql> select \*from patients where patient\_city='pune' or patient\_city='mumbai';

+------------+--------------+-------------+----------------+--------------+------------------------+----------------+-----------+

| patient\_id | patient\_name | patient\_age | patient\_gender | patient\_city | patient\_admission\_date | patient\_status | doctor\_id |

+------------+--------------+-------------+----------------+--------------+------------------------+----------------+-----------+

| 1 | sam | 25 | male | pune | 2024-02-02 | discharged | 2 |

| 2 | max | 30 | male | mumbai | 2024-01-22 | admitted | 1 |

| 3 | ram | 45 | male | pune | 2024-02-07 | discharged | 3 |

| 4 | neel | 50 | male | mumbai | 2023-02-07 | admitted | 7 |

| 5 | indraneel | 55 | male | pune | 2023-09-27 | admitted | 8 |

| 6 | amit | 22 | male | mumbai | 2023-09-27 | admitted | 5 |

| 8 | shiv | 76 | male | pune | 2024-01-01 | discharged | 4 |

+------------+--------------+-------------+----------------+--------------+------------------------+----------------+-----------+

7 rows in set (0.00 sec)

6)

mysql> select \* from doctor where doctor\_name like 'A%' and doctor\_city='Ahmedabad';

Empty set (0.00 sec)

7)

mysql> select doctor\_name from doctor where doctor\_year\_experience >=4;

+-------------+

| doctor\_name |

+-------------+

| b |

| c |

| d |

| e |

| f |

| h |

+-------------+

6 rows in set (0.00 sec)

8)

mysql> update doctor set doctor\_salary = doctor\_salary+1000 where doctor\_year\_experience > 5;

Query OK, 4 rows affected (0.00 sec)

Rows matched: 4 Changed: 4 Warnings: 0

9)

mysql> select patient\_city,count(\*) as count\_of\_patients from patients group by patient\_city;

+--------------+-------------------+

| patient\_city | count\_of\_patients |

+--------------+-------------------+

| kolkata | 1 |

| mumbai | 3 |

| pune | 4 |

+--------------+-------------------+

3 rows in set (0.00 sec)

10)

mysql> select patients.patient\_name,doctor.doctor\_name from patients inner join doctor on patients.doctor\_id = doctor.doctor\_id where patients.patient\_status = 'discharged' and doctor.doctor\_year\_experience >3;

+--------------+-------------+

| patient\_name | doctor\_name |

+--------------+-------------+

| sam | b |

| ram | c |

| shiv | d |

+--------------+-------------+

3 rows in set (0.00 sec)

11)

mysql> create table bkup\_patients\_1 like patients;

Query OK, 0 rows affected (0.24 sec)

mysql> create table bkup\_doctor\_1 like doctor;

Query OK, 0 rows affected (0.01 sec)

12)

mysql> CREATE TABLE photo\_table (photo\_name\_col VARCHAR(30),photo\_img\_col LONGBLOB);

Query OK, 0 rows affected (0.01 sec)