

## Create Database:-

```
mysql>create database health;  
mysql>use health;
```

## Create tables:-

```
mysql>create table doctor(d_ssn varchar(10) primary key,name varchar(20) not null,speciality  
varchar(20),experience varchar(10));  
Query OK, 0 rows affected (0.33 sec)
```

```
mysql> desc doctor;
```

Field	Type	Null	Key	Default	Extra
ssn	varchar(10)	NO	PRI	NULL	
name	varchar(20)	NO		NULL	
speciality	varchar(20)	YES		NULL	
experience	varchar(10)	YES		NULL	

```
mysql>create table patient(p_ssn varchar(20) primary key ,name varchar(20) not null,address varchar(30),age int);  
Query OK, 0 rows affected (0.22 sec)
```

```
mysql>create table pharama_company(pc_name varchar(20) primary key,address varchar(20),phone_no bigint(10));
```

```
mysql> create table drug(trade_name varchar(20) primary key,formula varchar(20),pc_name varchar(10),foreign  
key(pc_name) references pharama_company(pc_name));
```

```
mysql>create table pharmacy(p_name varchar(20) primary key,address varchar(20),ph_no bigint(10));
```

```
mysql> create table checks(d_ssn varchar(10),p_ssn varchar(10),foreign key(d_ssn) references doctor(d_ssn),foreign  
key(p_ssn) references patient(p_ssn),primary key(d_ssn,p_ssn));
```

```
mysql>create table prescribe(d_ssn varchar(10),p_ssn varchar(10),trade_name varchar(20),prescribe_date date,quantity  
int(5),foreign key(d_ssn) references doctor(d_ssn),foreign key(p_ssn) references patient(p_ssn),foreign key(trade_name)  
references drug(trade_name),primary key(d_ssn,p_ssn,trade_name));
```

```
mysql> create table sold_by(trade_name varchar(20),p_name varchar(20),price int(8),foreign key(trade_name) references  
drug(trade_name),foreign key(p_name) references pharmacy(p_name),primary key(trade_name,p_name));
```

```
mysql> create table contract(pc_name varchar(20),p_name varchar(20),s_date date,end_date date,text  
varchar(30),supervisor varchar(20),foreign key(pc_name) references pharama_company(pc_name),foreign key(p_name)  
references pharmacy(p_name),primary key(pc_name,p_name));
```

## Insert Value:-

Patient:-

```
sql> insert into patient values("P001","Gaurav","BGP",20);  
Query OK, 1 row affected (0.009 sec)
```

```
sql> insert into patient  
values("P002","Sonu","Patna",65),("P003","Divesh","UP",80),("P004","Ram","Delhi",40),("P005","Ravi","Mumbai",35);  
Query OK, 4 rows affected (0.011 sec)  
Records: 4 Duplicates: 0 Warnings: 0
```

PHARAMA COMPANY:-

```
sql> insert into pharama_company
values("nandi","Delhi",7867656568),("cipla","Mumbai",9967656568),("zinc","Goa",7879876545),("lupin","Up",964343424
2),("mankind","chennai",7876845354);
Query OK, 5 rows affected (0.009 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
sql> insert into pharama_company
values("apollo","chennai",9844050879),("biocon","andhra",9877654678),("medplus","karnataka",8073805341);
Query OK, 3 rows affected (0.009 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

Drug:-

```
sql> insert into drug values("Nice","CH2M1","Nandi");
Query OK, 1 row affected (0.009 sec)
```

```
sql> insert into drug
values("sumo","N12MG2","cipla"),("Paracetamol","CH3","cipla"),("zincovit","xyz","zinc"),("sinarest","N12MG15","nandi");
Query OK, 4 rows affected (0.009 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

DOCTOR:-

```
sql> insert into doctor values("D001","Durgesh","Cardiologists","5+");
Query OK, 1 row affected (0.010 sec)
```

```
sql> insert into doctor
values("D002","Prince","Physicians","3+"),("D003","Aman","gastroenterologists","8+"),("D004","Amit","Nerologists","7+");
Query OK, 3 rows affected (0.009 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

PHARMACY:-

```
sql> insert into pharmacy
values("walgreens","bangalore",9823412345),("omnicare","tumkur",7890654678),("riteaid","shivmogga",8076812345),("h
ealthmart","tiptur",8550885540),("bartell","chennai",8097065432);
```

CHECKS:-

```
sql> insert into checks values("D001","P001"),("D002","P002"),("D003","P003"),("D004","P004");
```

CONTRACT:-

```
sql> insert into contract values("biocon","healthmart",'1999/10/4','2021/6/7','uuu',"anup");
Query OK, 1 row affected (0.009 sec)
```

```
sql> insert into contract values("cipla","omnicare",'1999/9/20','2023/6/1','hhh',"sagar");
Query OK, 1 row affected (0.009 sec)
```

```
sql> insert into contract values("lupin","riteaid",'1997/11/11','2029/4/29','vvv',"kumar");
Query OK, 1 row affected (0.009 sec)
```

```
sql> insert into contract values("medplus","walgreens",'1982/9/7','2025/11/20','nnn',"nirup");
Query OK, 1 row affected (0.009 sec)
```

PRESCRIBE:-

```
sql> insert into prescribe values("D001","P001","Nice",'2021/5/29',3);
Query OK, 1 row affected (0.008 sec)
```

```
sql>insert into prescribe
values("D002","P002","Paracetamol",'2021/9/20',10),("D003","P003","sinarest",'2021/4/8',30),("D004","P004","sumo",'20
20/9/20',40),("D005","P005","zincovit",'2020/10/4',50);
Query OK, 4 rows affected (0.010 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

SOLD\_BY:-

```
sql> insert into sold_by values("Nice","bartell",30000);
Query OK, 1 row affected (0.011 sec)
```

```
sql> insert into sold_by
values("Paracetamol","healthmart",20000),("sinarest","omnicare",12000),("sumo","riteaid",9000),("zincovit","walgreens",
45000);
Query OK, 4 rows affected (0.009 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

## **Question and Answer:-**

1.List the details of patients who are 40 year old and have been checked by Neurologists specialist.

```
sql> select p.* from patient p ,doctor d,checks c where p.p_ssn=c.p_ssn and d.d_ssn=c.d_ssn and p.age=40 and
d.speciality="Neurologists";
```

2.List the details of doctors who have given the prescription to more than 2 patients in year 2013.

```
sql> select D.*,count(P.D_ssn) from Doctor D,Prescribe P where D.D_ssn=P.D_ssn and
year(P.prescribe_date)="2013" group by P.D_ssn having count(P.D_ssn)>=2;
```

3. 3.Retrieve the details of doctor having maximum experience.

```
sql> select *from doctor where experience in (select max(experience)from doctor);
```

4.List the details of pharmaceutical companies who supply drug to more than 10 pharmacies in the same city where company is located.

```
sql>select distinct d.* from drug d,pharmacy p,sold_by s where p.p_name=s.p_name and
s.trade_name=d.trade_name;
```

5.List the details of drug supplied by only one pharmaceutical company.

```
MariaDB [health]> select d.*,count(pc_name) from drug d group by pc_name having count(pc_name);
```

6.List the details of drug supplied.

```
sql> select p.*,d.trade_name from pharmacy p,sold_by s,drug d where s.p_name=p.p_name and
d.trade_name=s.trade_name;
```

## Question and Answer Screenshot:-

```
XAMPP for Windows - mysql -u root
MariaDB [(none)]> use health;
Database changed
MariaDB [health]> select p.* from patient p ,doctor d,checks c where p.p_ssn=c.p_ssn and d.d_ssn=c.d_ssn and p.age=40 and d.speciality="Nerologists";
+-----+-----+-----+-----+
| p_ssn | name | address | age |
+-----+-----+-----+-----+
| P004  | Ram  | Delhi   | 40  |
+-----+-----+-----+-----+
1 row in set (0.055 sec)

MariaDB [health]> select D.*,count(P.D_ssn) from Doctor D,Prescribe P where D.D_ssn=P.D_ssn and year(P.prescribe_date)="2013" group by P.D_ssn having count(P.D_ssn)>=2;
+-----+-----+-----+-----+-----+
| d_ssn | name | speciality | experience | count(P.D_ssn) |
+-----+-----+-----+-----+-----+
| d100  | rahul | eye        | 21         | 2              |
+-----+-----+-----+-----+-----+
1 row in set (0.024 sec)

MariaDB [health]> select *from doctor where experience in (select max(experience)from doctor);
+-----+-----+-----+-----+
| d_ssn | name | speciality | experience |
+-----+-----+-----+-----+
| D003  | Aman | gastroenterologists | 8+         |
+-----+-----+-----+-----+
1 row in set (0.011 sec)

MariaDB [health]> select distinct d.* from drug d,pharmacy p,sold_by s where p.p_name=s.p_name and s.trade_name=d.trade_name;
+-----+-----+-----+
| trade_name | formula | pc_name |
+-----+-----+-----+
| Nice       | CH2M1   | Nandi   |
| Paracetamol | CH3     | cipla   |
| sinarest   | N12MG15 | nandi   |
| sumo       | N12MG2  | cipla   |
| zincovit   | xyz     | zinc    |
+-----+-----+-----+
5 rows in set (0.003 sec)

MariaDB [health]> select d.*,count(pc_name) from drug d group by pc_name having count(pc_name);
+-----+-----+-----+-----+
| trade_name | formula | pc_name | count(pc_name) |
+-----+-----+-----+-----+
| Paracetamol | CH3     | cipla   | 2              |
+-----+-----+-----+-----+

Select XAMPP for Windows - mysql -u root
MariaDB [health]> select d.*,count(pc_name) from drug d group by pc_name having count(pc_name);
+-----+-----+-----+-----+
| trade_name | formula | pc_name | count(pc_name) |
+-----+-----+-----+-----+
| Paracetamol | CH3     | cipla   | 2              |
| Nice       | CH2M1   | Nandi   | 2              |
| zincovit   | xyz     | zinc    | 1              |
+-----+-----+-----+-----+
3 rows in set (0.007 sec)

MariaDB [health]> select p.*,d.trade_name from pharmacy p,sold_by s,drug d where s.p_name=p.p_name and d.trade_name=s.trade_name;
+-----+-----+-----+-----+
| p_name | address | ph_no | trade_name |
+-----+-----+-----+-----+
| bartell | chennai | 8007065432 | Nice       |
| healthmart | tiptur | 8550885540 | Paracetamol |
| omnicare | tumkur | 7890654678 | sinarest   |
| riteaid | shivmogga | 8076812345 | sumo       |
| walgreens | bangalore | 9823412345 | zincovit   |
+-----+-----+-----+-----+
5 rows in set (0.003 sec)

MariaDB [health]>
```

## Screenshot:-

```
XAMPP for Windows - mysql -u root -p

MariaDB [(none)]> use health;
Database changed
MariaDB [health]> desc doctor;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| d_ssn | varchar(10) | NO | PRI | NULL | |
| name | varchar(20) | NO | | NULL | |
| speciality | varchar(20) | YES | | NULL | |
| experience | varchar(10) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.045 sec)

MariaDB [health]> desc patient;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| p_ssn | varchar(20) | NO | PRI | NULL | |
| name | varchar(20) | NO | | NULL | |
| address | varchar(30) | YES | | NULL | |
| age | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.045 sec)

MariaDB [health]> desc drug;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| trade_name | varchar(20) | NO | PRI | NULL | |
| formula | varchar(20) | YES | | NULL | |
| pc_name | varchar(10) | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.036 sec)

MariaDB [health]> desc checks;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| d_ssn | varchar(10) | NO | PRI | NULL | |
| p_ssn | varchar(10) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.047 sec)

Select XAMPP for Windows - mysql -u root -p

+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| d_ssn | varchar(10) | NO | PRI | NULL | |
| p_ssn | varchar(10) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.047 sec)

MariaDB [health]> desc prescribe;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| d_ssn | varchar(10) | NO | PRI | NULL | |
| p_ssn | varchar(10) | NO | PRI | NULL | |
| trade_name | varchar(20) | NO | PRI | NULL | |
| prescribe_date | date | YES | | NULL | |
| quantity | int(5) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.048 sec)

MariaDB [health]> desc sold_by;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| trade_name | varchar(20) | NO | PRI | NULL | |
| p_name | varchar(20) | NO | PRI | NULL | |
| price | int(8) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.049 sec)

MariaDB [health]> desc contract;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| pc_name | varchar(20) | NO | PRI | NULL | |
| p_name | varchar(20) | NO | PRI | NULL | |
| s_date | date | YES | | NULL | |
| end_date | date | YES | | NULL | |
| text | varchar(30) | YES | | NULL | |
| supervisor | varchar(20) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.042 sec)

MariaDB [health]>
```

Select XAMPP for Windows - mysql -u root

```
MariaDB [(none)]> use health;
Database changed
MariaDB [health]> show tables;
+-----+
| Tables_in_health |
+-----+
| checks            |
| contract          |
| doctor            |
| drug              |
| patient           |
| pharama_company   |
| pharmacy          |
| prescribe         |
| sold by           |
+-----+
9 rows in set (0.001 sec)

MariaDB [health]> desc checks;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| d_ssn | varchar(10)   | NO   | PRI | NULL    |       |
| p_ssn | varchar(10)   | NO   | PRI | NULL    |       |
+-----+
2 rows in set (0.059 sec)

MariaDB [health]> desc contract;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| pc_name | varchar(20)   | NO   | PRI | NULL    |       |
| p_name | varchar(20)   | NO   | PRI | NULL    |       |
| s_date | date          | YES  |     | NULL    |       |
| end_date | date         | YES  |     | NULL    |       |
| text   | varchar(30)   | YES  |     | NULL    |       |
| supervisor | varchar(20) | YES  |     | NULL    |       |
+-----+
6 rows in set (0.051 sec)

MariaDB [health]> insert into patient values("P001","Gaurav");
ERROR 1136 (21S01): Column count doesn't match value count at row 1
MariaDB [health]> desc patient;
```

Select XAMPP for Windows - mysql -u root

```
ERROR 1136 (21S01): Column count doesn't match value count at row 1
MariaDB [health]> desc patient;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| p_ssn | varchar(20)   | NO   | PRI | NULL    |       |
| name  | varchar(20)   | NO   |     | NULL    |       |
| address | varchar(30)  | YES  |     | NULL    |       |
| age   | int(11)       | YES  |     | NULL    |       |
+-----+
4 rows in set (0.045 sec)

MariaDB [health]> insert into patient values("P001","Gaurav","BGP",20);
Query OK, 1 row affected (0.009 sec)

MariaDB [health]> insert into patient values("P002","Sonu","Patna",65),("P003","Divesh","UP",80),("P004","Ram","Delhi",40),("P005","Ravi","Mumbai",35);
Query OK, 4 rows affected (0.011 sec)
Records: 4 Duplicates: 0 Warnings: 0

MariaDB [health]> desc drug;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| trade_name | varchar(20) | NO   | PRI | NULL    |       |
| formula    | varchar(20) | YES  |     | NULL    |       |
| pc_name    | varchar(10) | YES  | MUL | NULL    |       |
+-----+
3 rows in set (0.062 sec)

MariaDB [health]> insert into durg values("Nice","CH2M1","Nandi"),("sumo","N12MG2","cipla"),("Paracetamol","CH3","cipla"),("zincovit","xyz","zinc"),("sinarest","N12MG15",
"nandi");
ERROR 1146 (42S02): Table 'health.durg' doesn't exist
MariaDB [health]> insert into drug values("Nice","CH2M1","Nandi"),("sumo","N12MG2","cipla"),("Paracetamol","CH3","cipla"),("zincovit","xyz","zinc"),("sinarest","N12MG15",
"nandi");
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('health'.drug, CONSTRAINT `drug_ibfk_1` FOREIGN KEY (`pc_name`) REFERENCES `phar
ama company` (`pc_name`))
MariaDB [health]> show tabelas;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'tabelas' at
line 1
MariaDB [health]> show tables;
+-----+
| Tables_in_health |
+-----+
| checks            |
+-----+
```

```

XAMPP for Windows - mysql -u root
MariaDB [health]> show tables;
+-----+
| Tables_in_health |
+-----+
| checks            |
| contract          |
| doctor            |
| drug              |
| patient           |
| pharama_company   |
| pharmacy          |
| prescribe         |
| sold_by           |
+-----+
9 rows in set (0.001 sec)

MariaDB [health]> desc pharama_company;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| pc_name | varchar(20)   | NO   | PRI | NULL    |       |
| address | varchar(20)   | YES  |     | NULL    |       |
| phone_no | bigint(10)    | YES  |     | NULL    |       |
+-----+
3 rows in set (0.050 sec)

MariaDB [health]> insert into pharama_comapany values("nandi","Delhi",7867656568);
ERROR 1146 (42S02): Table 'health.pharama_comapany' doesn't exist
MariaDB [health]> insert into pharama_company values("nandi","Delhi",7867656568);
Query OK, 1 row affected (0.010 sec)

MariaDB [health]> insert into pharama_company values("cipla","Mumbai",9967656568),("zinc","Goa",7879876545),("lupin","Up",9643434242),("mankind","chennai",7876845354);
Query OK, 4 rows affected (0.009 sec)
Records: 4 Duplicates: 0 Warnings: 0

MariaDB [health]> insert into drug values("Nice","CH2M1","Nandi"),("sumo","N12MG2","cipla"),("Paracetamol","CH3","cipla"),("zincovit","xyz","zinc"),("sinarest","N12MG15","manlind");
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('health'.`drug`, CONSTRAINT `drug_ibfk_1` FOREIGN KEY (`pc_name`) REFERENCES `pharama_company` (`pc_name`))
MariaDB [health]> insert into drug values("Nice","CH2M1","Nandi");
Query OK, 1 row affected (0.009 sec)

MariaDB [health]> insert into drug values("sumo","N12MG2","cipla"),("Paracetamol","CH3","cipla"),("zincovit","xyz","zinc"),("sinarest","N12MG15","nandi");
Query OK, 4 rows affected (0.009 sec)

```

```

Select XAMPP for Windows - mysql -u root
MariaDB [health]> insert into drug values("Nice","CH2M1","Nandi"),("sumo","N12MG2","cipla"),("Paracetamol","CH3","cipla"),("zincovit","xyz","zinc"),("sinarest","N12MG15","manlind");
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('health'.`drug`, CONSTRAINT `drug_ibfk_1` FOREIGN KEY (`pc_name`) REFERENCES `pharama_company` (`pc_name`))
MariaDB [health]> insert into drug values("Nice","CH2M1","Nandi");
Query OK, 1 row affected (0.009 sec)

MariaDB [health]> insert into drug values("sumo","N12MG2","cipla"),("Paracetamol","CH3","cipla"),("zincovit","xyz","zinc"),("sinarest","N12MG15","nandi");
Query OK, 4 rows affected (0.009 sec)
Records: 4 Duplicates: 0 Warnings: 0

MariaDB [health]> desc checks;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| d_ssn | varchar(10)    | NO   | PRI | NULL    |       |
| p_ssn | varchar(10)    | NO   | PRI | NULL    |       |
+-----+
2 rows in set (0.047 sec)

MariaDB [health]> desc doctor;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| d_ssn | varchar(10)    | NO   | PRI | NULL    |       |
| name  | varchar(20)    | NO   |     | NULL    |       |
| speciality | varchar(20) | YES  |     | NULL    |       |
| experience | varchar(10) | YES  |     | NULL    |       |
+-----+
4 rows in set (0.049 sec)

MariaDB [health]> select * from doctor;
Empty set (0.003 sec)

MariaDB [health]> insert into doctor values("D001","Durgesh","Cardilogsists","5+");
Query OK, 1 row affected (0.010 sec)

MariaDB [health]> insert into doctor values("D002","Prince","Physicians","3+"),("D003","Aman","gastroenterologists","8+"),("D004","Amit","Nerologists","7+");
Query OK, 3 rows affected (0.009 sec)
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [health]>

```



Select XAMPP for Windows - mysql -u root

```
MariaDB [(none)]> use health;
Database changed
MariaDB [health]> show tables;
```

```
Tables_in_health
+-----+
| checks |
| contract |
| doctor |
| drug |
| patient |
| pharma_company |
| pharmacy |
| prescribe |
| sold_by |
+-----+
9 rows in set (0.001 sec)
```

```
MariaDB [health]> desc checks;
```

```
Field      Type      Null      Key      Default      Extra
+-----+
d_ssn      varchar(10) NO      PRI      NULL      |
p_ssn      varchar(10) NO      PRI      NULL      |
+-----+
2 rows in set (0.034 sec)
```

```
MariaDB [health]> select * from checks;
```

```
d_ssn  p_ssn
+-----+
D001   P001
D002   P002
D003   P003
D004   P004
+-----+
4 rows in set (0.008 sec)
```

```
MariaDB [health]> desc contract;
```

```
Field      Type      Null      Key      Default      Extra
+-----+
pc_name     varchar(20) NO      PRI      NULL      |
+-----+
```

Select XAMPP for Windows - mysql -u root

```
MariaDB [health]> desc contract;
```

```
Field      Type      Null      Key      Default      Extra
+-----+
pc_name     varchar(20) NO      PRI      NULL      |
p_name      varchar(20) NO      PRI      NULL      |
s_date      date       YES      |      NULL      |
end_date    date       YES      |      NULL      |
text        varchar(30) YES      |      NULL      |
supervisor  varchar(20) YES      |      NULL      |
+-----+
6 rows in set (0.035 sec)
```

```
MariaDB [health]> select * from contract;
```

```
pc_name  p_name    s_date    end_date    text    supervisor
+-----+
apollo   bartell   2013-06-09 2020-08-08  sss     anand
biocon    healthmart 1999-10-04 2021-06-07  uuu     anup
cipa      omnicare  1999-09-20 2023-06-01  hhh     sagar
lupin     riteaid   1997-11-11 2029-04-29  vvv     kumar
medplus   walgreens 1982-09-07 2025-11-20  nnn     nirup
+-----+
```

```
5 rows in set (0.008 sec)
```

```
MariaDB [health]> desc doctor;
```

```
Field      Type      Null      Key      Default      Extra
+-----+
d_ssn      varchar(10) NO      PRI      NULL      |
name       varchar(20) NO      |      NULL      |
speciality varchar(20) YES      |      NULL      |
experience  varchar(10) YES      |      NULL      |
+-----+
4 rows in set (0.030 sec)
```

```
MariaDB [health]> select * from doctor;
```

```
d_ssn  name      speciality    experience
+-----+
D001   Durgesh   Cardilogsits  5+
D002   Prince   Physicians    3+
D003   Aman     gastroenterologists 8+
+-----+
```



Select XAMPP for Windows - mysql -u root

MariaDB [health]> select \* from doctor;

d_ssn	name	speciality	experience
D001	Durgesh	Cardiologists	5+
D002	Prince	Physicians	3+
D003	Aman	gastroenterologists	8+
D004	Amit	Nerologists	7+
D005	Ramu	Cardiologists	10+

5 rows in set (0.003 sec)

MariaDB [health]> desc drug;

Field	Type	Null	Key	Default	Extra
trade_name	varchar(20)	NO	PRI	NULL	
formula	varchar(20)	YES		NULL	
pc_name	varchar(10)	YES	MUL	NULL	

3 rows in set (0.032 sec)

MariaDB [health]> select \* from=

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '=' at line 1

MariaDB [health]> select \* from drug;

trade_name	formula	pc_name
Nice	CH2M1	Nandi
Paracetamol	CH3	cipla
sinarest	N12MG15	nandi
sumo	N12MG2	cipla
zincovit	xyz	zinc

5 rows in set (0.003 sec)

MariaDB [health]> desc patient;

Field	Type	Null	Key	Default	Extra
p_ssn	varchar(20)	NO	PRI	NULL	

Select XAMPP for Windows - mysql -u root

MariaDB [health]> desc patient;

Field	Type	Null	Key	Default	Extra
p_ssn	varchar(20)	NO	PRI	NULL	
name	varchar(20)	NO		NULL	
address	varchar(30)	YES		NULL	
age	int(11)	YES		NULL	

4 rows in set (0.034 sec)

MariaDB [health]> select \* from patient;

p_ssn	name	address	age
P001	Gaurav	BGP	20
P002	Sonu	Patna	65
P003	Divesh	UP	80
P004	Ram	Delhi	40
P005	Ravi	Mumbai	35

5 rows in set (0.003 sec)

MariaDB [health]> desc pharama company;

Field	Type	Null	Key	Default	Extra
pc_name	varchar(20)	NO	PRI	NULL	
address	varchar(20)	YES		NULL	
phone_no	bigint(10)	YES		NULL	

3 rows in set (0.035 sec)

MariaDB [health]> select \* from pharama company;

pc_name	address	phone_no
apollo	chennai	9844050879
biocon	andhra	9877654678
cipla	Mumbai	9967656568
lupin	Up	9643424242
mankind	chennai	7876845354
medplus	karnataka	8073805341

Select XAMPP for Windows - mysql -u root

MariaDB [health]> select \* from pharama\_company;

pc_name	address	phone_no
apollo	chennai	9844050879
biocon	andhra	9877654678
cipl	Mumbai	9967656568
lupin	Up	9643434242
mankind	chennai	7876845354
medplus	karnataka	8073805341
nandi	Delhi	7867656568
zinc	Goa	7879876545

8 rows in set (0.007 sec)

MariaDB [health]> desc pharama;

ERROR 1146 (42S02): Table 'health.pharama' doesn't exist

MariaDB [health]> desc pharmacy;

Field	Type	Null	Key	Default	Extra
p_name	varchar(20)	NO	PRI	NULL	
address	varchar(20)	YES		NULL	
ph_no	bigint(10)	YES		NULL	

3 rows in set (0.034 sec)

MariaDB [health]> select \* from pharmacy;

p_name	address	ph_no
bartell	chennai	8097065432
healthmart	tiptur	8550885540
omnicare	tumkur	7890654678
riteaid	shivmogga	8076812345
walgreens	bangalore	9823412345

5 rows in set (0.003 sec)

MariaDB [health]> desc prescribe;

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

Type here to search

Select XAMPP for Windows - mysql -u root

MariaDB [health]> desc prescribe;

Field	Type	Null	Key	Default	Extra
d_ssn	varchar(10)	NO	PRI	NULL	
p_ssn	varchar(10)	NO	PRI	NULL	
trade_name	varchar(20)	NO	PRI	NULL	
prescribe_date	date	YES		NULL	
quantity	int(5)	YES		NULL	

5 rows in set (0.032 sec)

MariaDB [health]> select \* from prescribe;

ERROR 1146 (42S02): Table 'health.prescribe' doesn't exist

MariaDB [health]> select \* from prescribe;

d_ssn	p_ssn	trade_name	prescribe_date	quantity
D001	P001	Nice	2021-05-29	3
D002	P002	Paracetamol	2021-09-20	10
D003	P003	sinarest	2021-04-08	30
D004	P004	sumo	2020-09-20	40
D005	P005	zincovit	2020-10-04	50

5 rows in set (0.003 sec)

MariaDB [health]> desc sold\_by;

Field	Type	Null	Key	Default	Extra
trade_name	varchar(20)	NO	PRI	NULL	
p_name	varchar(20)	NO	PRI	NULL	
price	int(8)	YES		NULL	

3 rows in set (0.032 sec)

MariaDB [health]> select \* from sold\_by;

trade_name	p_name	price
Nice	bartell	30000
Paracetamol	healthmart	20000
sinarest	omnicare	12000

Type here to search

```
Select XAMPP for Windows - mysql -u root

trade_name | varchar(20) | NO | PRI | NULL |
prescribe_date | date | YES | | NULL |
quantity | int(5) | YES | | NULL |
5 rows in set (0.032 sec)

MariaDB [health]> select * from prescribe;
ERROR 1146 (42S02): Table 'health.prescribe' doesn't exist
MariaDB [health]> select * from prescribe;

d_ssn | p_ssn | trade_name | prescribe_date | quantity |
-----+-----+-----+-----+-----+
D001 | P001 | Nice | 2021-05-29 | 3 |
D002 | P002 | Paracetamol | 2021-09-20 | 10 |
D003 | P003 | sinarest | 2021-04-08 | 30 |
D004 | P004 | sumo | 2020-09-20 | 40 |
D005 | P005 | zincovit | 2020-10-04 | 50 |
5 rows in set (0.003 sec)

MariaDB [health]> desc sold_by;

Field | Type | Null | Key | Default | Extra |
-----+-----+-----+-----+-----+-----+
trade_name | varchar(20) | NO | PRI | NULL |
p_name | varchar(20) | NO | PRI | NULL |
price | int(8) | YES | | NULL |
3 rows in set (0.032 sec)

MariaDB [health]> select * from sold_by;

trade_name | p_name | price |
-----+-----+-----+
Nice | bartell | 30000 |
Paracetamol | healthmart | 20000 |
sinarest | omnicare | 12000 |
sumo | riteaid | 9000 |
zincovit | walgreens | 45000 |
5 rows in set (0.003 sec)

MariaDB [health]>
```