

# R.V. COLLEGE OF ENGINEERING

## OBSERVATION / DATA SHEET

Date \_\_\_\_\_ Name Durgesh kumar

Dept./Lab \_\_\_\_\_ Class \_\_\_\_\_ Expt./No. \_\_\_\_\_

Title \_\_\_\_\_

\* Health care:

patients are identified by an SSN and their names, address and ages must be recorded. Doctors are identified by an SSN. For each doctor, the name specialty and years of experience must be recorded. Each pharmaceutical company is identified by name; it has an address and one phone number. For each drug the trade name and formula must be recorded. Each drug is sold by a given pharmaceutical company, and the trade name identifies a drug uniquely from among the products of that company. Each pharmacy has a name, address and phone number. Each patient is checked up by some doctor. Every doctor has at least one patient. Each pharmacy sells several drugs and has a price for each. A drug could be sold at several pharmacies and the price could vary from one pharmacy to another. Doctors prescribe drugs for patients. A doctor could prescribe one or more drugs for several patients and a patient could obtain prescriptions from several doctors. Each prescription has a date and quantity associated with it. Pharmaceutical companies have long-term contracts with pharmacies. A pharmaceutical company can contract with several pharmacies for each contract with several pharmaceutical companies. For each contract you have to store a start date an end date, supervisor and the text of the contract.

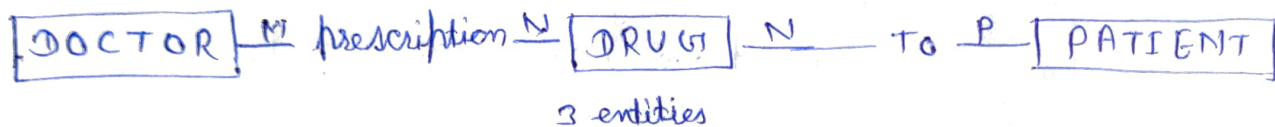
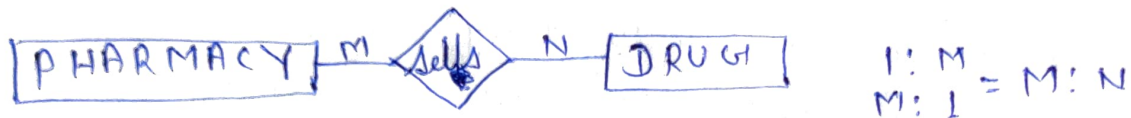
**Signature of  
Teacher incharge**

\* Entities and associated attribute :

- ① PATIENT :- SSN, Name, Address, Age
- ② DOCTOR :- SSN, Name, Address, speciality, YOE
- ③ PHARMA-COMPANY :- Name, Address, phone-no
- ④ DRUG :- Trade-Name, formula
- ⑤ PHARMACY :- Name, address, phone-no

\* Relationship types and constraints

cardinality :-



\* participation

- ① DOCTOR checks PATIENT
- ② PHARMACY sells DRUG
- ③ DOCTOR prescriptions DRUG to PATIENT
- ④ PHARMA COMPANY contract PHARMACY
- ⑤ PHARMA-COMPANY manufacture DRUG

# R.V. COLLEGE OF ENGINEERING

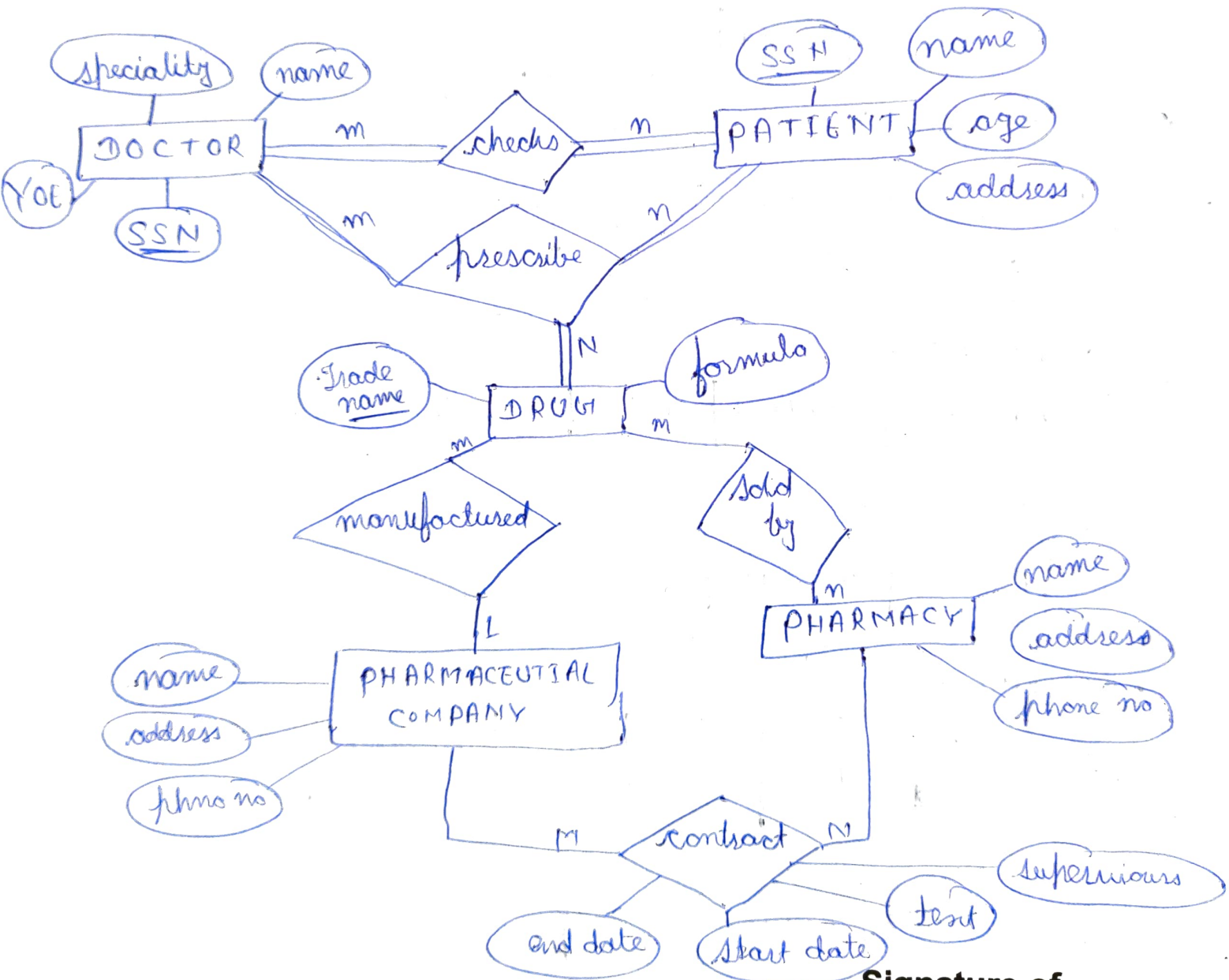
## OBSERVATION / DATA SHEET

Date \_\_\_\_\_ Name Durgesh Kumar

Dept./Lab \_\_\_\_\_ Class \_\_\_\_\_ Expt./No. \_\_\_\_\_

Title \_\_\_\_\_

\* ER DIAGRAM



Signature of  
Teacher incharge



## 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:-**

Question:1-

```
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="Nerologists";
```

Q2:-

```
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;
```

Q3:-

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

Q4:-

```
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;
```

Q5:-

```
Sql>select d.*,count(pc_name) from drug d group by pc_name having count(pc_name);
```

Q6:-

```
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;
```

## 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 (0.003 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 (0.003 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 (0.003 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              |
| Nice       | CH2M1  | Nandi   | 2              |
| zincovit   | xyz     | zinc    | 1              |
+-----+-----+-----+-----+
3 rows in set (0.003 sec)

MariaDB [health]> Bye

User@DESKTOP-F6IRQMB c:\xampp
# mysql -u root
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 14
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

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

## 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 `pharama_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]>
```