Write the following queries based on the above schema:

1. Create the tables mentioned in the above schema with given constraints.

create database food;

use food;

#creating sandwiches table#

create table sandwiches(

sid varchar (10) primary key,name_ varchar (20), filling varchar (20), bread varchar (20),price bigint (10));

	Field	Type	Null	Key	Default	Extra
▶	sid	varchar(10)	NO	PRI	NULL	
	name_	varchar(20)	YES		NULL	
	filling	varchar(20)	YES		NULL	
	bread	varchar(20)	YES		NULL	
	price	bigint	YES		NULL	

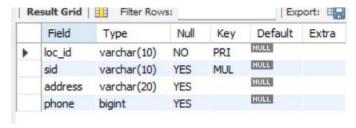---

#creating location table#

create table location(

loc_id varchar (10) primary key, sid varchar (10), address varchar (20), phone bigint (10),

foreign key(sid) references sandwiches(sid));

	Field	Type	Null	Key	Default	Extra
▶	loc_id	varchar(10)	NO	PRI	NULL	
	sid	varchar(10)	YES	MUL	NULL	
	address	varchar(20)	YES		NULL	
	phone	bigint	YES		NULL	

2. Insert the given records in the tables.
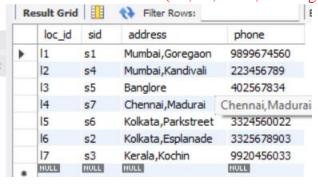
#adding values in sandwiches#
insert into sandwiches values('s1','san-chicken','chicken','white',50);

insert into sandwiches values('s2','san-chicken','chicken','brown',55);
insert into sandwiches values('s3','san-veggie','mixed veg','brown',50);
insert into sandwiches values('s4','san-veggie','mixed veg','multi grain',55);
insert into sandwiches values('s5','aloo tikki','potato','rye',25);
insert into sandwiches values('s6','mexican veg','mayonese','white',45);
insert into sandwiches values('s7','mixed cheese','cheese,veg','white',60);

sid	name_	filling	bread	price
s1	san-chicken	chicken	white	50
s2	san-chicken	chicken	brown	55
s3	san-veggie	mixed veg	brown	50
s4	san-veggie	mixed veg	multi grain	55
s5	aloo tikki	potato	rye	25
s6	mexican veg	mayonese	white	45
s7	mixed cheese	cheese,veg	white	60
NULL	NULL	NULL	NULL	NULL

#adding values in location#
insert into location values('l1','s1','Mumbai,Goregaon',9899674560);
insert into location values('l2','s4','Mumbai,Kandivali',0223456789);
insert into location values('l3','s5','Banglore',0402567834);
insert into location values('l4','s7','Chennai,Madurai',9823450032);
insert into location values('l5','s6','Kolkata,Parkstreet',03324560022);
insert into location values('l6','s2','Kolkata,Esplanade',03325678903);
insert into location values('l7','s3','Kerala,Kochin',9920456033);
insert into location values('l8','s4','Delhi,Kannaught Place',9923458888);

Result Grid | Filter Rows:

loc_id	sid	address	phone
l1	s1	Mumbai,Goregaon	9899674560
l2	s4	Mumbai,Kandivali	223456789
l3	s5	Banglore	402567834
l4	s7	Chennai,Madurai	Chennai,Madurai
l5	s6	Kolkata,Parkstreet	3324560022
l6	s2	Kolkata,Esplanade	3325678903
l7	s3	Kerala,Kochin	9920456033
NULL	NULL	NULL	NULL

3. Display the records from the sandwich table where the price is more than 50.

#Display the records from the sandwich table where the price is more than 50.#
select * from sandwiches
where price >50;

sid	name_	filling	bread	price
s2	san-chicken	chicken	brown	55
s4	san-veggie	mixed veg	multi grain	55
s7	mixed cheese	cheese,veg	white	60
NULL	NULL	NULL	NULL	NULL

4. Display the names of sandwiches where price lies between 25 and 50.
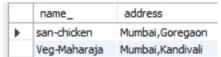
#Display the names of sandwiches where price lies between 25 and 50#
select * from sandwiches
where price>=25 and price<=50;

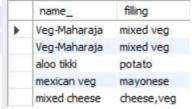| sid	name_	filling	bread	price
s1	san-chicken	chicken	white	50
s3	san-veggie	mixed veg	brown	50
s5	aloo tikki	potato	rye	25
s6	mexican veg	mayonese	white	45
NULL	NULL	NULL	NULL	NULL

5. Display sandwiches which are available in Mumbai.

#Display sandwiches which are available in Mumbai#
select name_,address from sandwiches,location
where sandwiches.sid=location.sid and address like '%Mumbai%';

name_	address
san-chicken	Mumbai,Goregaon
Veg-Maharaja	Mumbai,Kandivali

6. Display the names of sandwiches where filling contains veg.

#Display the names of sandwiches where filling contains veg#
select name_,filling from sandwiches
where filling not like '%chicken%';

name_	filling
Veg-Maharaja	mixed veg
Veg-Maharaja	mixed veg
aloo tikki	potato
mexican veg	mayonese
mixed cheese	cheese,veg

7. Display the prices of the sandwiches made of brown bread.

#Display the prices of the sandwiches made of brown bread#
select price,bread from sandwiches
where bread like '%brown%';

price	bread
55	brown
50	brown

8. Display the details of the sandwiches after replacing San-veggie with Veg-Maharaja.

#Display the details of the sandwiches after replacing San-veggie with Veg-Maharaja#
update sandwiches
set name_='Veg-Maharaja' where sid='s3';
update sandwiches
set name_='Veg-Maharaja' where sid='s4';
select * from sandwiches where name_='Veg-Maharaja';

sid	name_	filling	bread	price
s3	Veg-Maharaja	mixed veg	brown	50
s4	Veg-Maharaja	mixed veg	multi grain	55
NULL	NULL	NULL	NULL	NULL

9. Sort the records of the sandwich table on the column bread.

#Sort the records of the sandwich table on the column bread#
select * from sandwiches
order by bread;

sid	name_	filling	bread	price
s2	san-chicken	chicken	brown	55
s3	Veg-Maharaja	mixed veg	brown	50
s4	Veg-Maharaja	mixed veg	multi grain	55
s5	aloo tikki	potato	rye	25
s1	san-chicken	chicken	white	50
s6	mexican veg	mayonese	white	45
s7	mixed cheese	cheese,veg	white	60
NULL	NULL	NULL	NULL	NULL

10. Display the details of the sandwiches which are not made in white and Multi grain bread.

#Display the details of the sandwiches which are not made in white and Multi grain bread#
select * from sandwiches
where bread!='white' and bread!='multi grain';

sid	name_	filling	bread	price
s2	san-chicken	chicken	brown	55
s3	Veg-Maharaja	mixed veg	brown	50
s5	aloo tikki	potato	rye	25
NULL	NULL	NULL	NULL	NULL