

Queries :

1. Create Receiver table :

```
mysql> create table Receiver( Receiver_Id int primary key AUTO_INCREMENT,Name  
varchar(100) not null,Phno Varchar(10) unique,Email_id varchar(100)  
UNIQUE,password varchar(50));
```

2. Create Donor table :

```
mysql> create table Donor( Donor_Id int primary key AUTO_INCREMENT,Name  
varchar(100) not null,Phno Varchar(10) unique,Email_id varchar(100) unique,password  
varchar(50));
```

3. Create Admin table :

```
mysql> Create table Admin(UserId int primary key,Password varchar(100) not  
null,Location varchar(100) not null, Email_Id varchar(100) unique);
```

4. Create Request_Receiver table :

```
mysql> create table Request_Receiver(Request_Receiver_Id int AUTO_INCREMENT  
PRIMARY KEY,Receiver_Id int,Location varchar(100) not null, Quantity int not null,  
Receiver_Type varchar(100),Category varchar(100) not null,Name varchar(100),foreign  
key(Receiver_Id) references Receiver(Receiver_Id));
```

5. Create Request_Donor table :

```
create table Request_Donor(Request_Donor_Id int AUTO_INCREMENT PRIMARY  
KEY,Donor_Id int,Location varchar(100) not null, Quantity int not null, Category  
varchar(100) not null,Donor_type varchar(100),Name varchar(100),Foreign  
key(Donor_Id) references Donor(Donor_Id));
```

6. Create Order_Completed table :

```
mysql> create table Order_Completed(Order_Id int AUTO_INCREMENT PRIMARY  
KEY,Receiver_Id int ,Donor_Id int,Quantity int not null, Category varchar(100) not  
null,Location varchar(100) );
```

7. Display list of Donors with type as 'NGO'

```
mysql> select * from donor where Donor_Type="Ngo";
```

```
+-----+-----+-----+-----+-----+  
| Donor_Id | Name  | Phno   | Email_id   | Donor_Type |  
+-----+-----+-----+-----+-----+  
|      1 | Gigi  | 8208479941 | gigi@gmail.com | Ngo      |  
|      4 | Shivam | 9215686321 | shivam@gmail.com | Ngo      |  
|      5 | Satyam | 9215686452 | satyam@gmail.com | Ngo      |  
+-----+-----+-----+-----+-----+
```

8. Display list of Individual receivers

```
mysql> select * from receiver where Receiver_Type="Individual";
+-----+-----+-----+-----+-----+
| Receiver_Id | Name      | Phno    | Email_id      | Receiver_Type |
+-----+-----+-----+-----+-----+
| 3 | Dhanraj Patil | 8764326452 | dhanraj@gmail.com | Individual |
| 4 | Yuvraj Shete  | 9032326452 | yuvraj@gmail.com  | Individual  |
+-----+-----+-----+-----+-----+
```

9. Display Details of receiver

```
mysql> select Name, Phno, Email_id from receiver;
+-----+-----+-----+
| Name      | Phno    | Email_id      |
+-----+-----+-----+
| Tom        | 8208479941 | Tom@gmail.com  |
| Gayatri    | 7568934521 | gayatri@gmail.com |
| Dhanraj Patil | 8764326452 | dhanraj@gmail.com |
| Yuvraj Shete  | 9032326452 | yuvraj@gmail.com |
| Digvijay Deshmukh | 9032127652 | digvijay@gmail.com |
+-----+-----+-----+
```

10. Count of Individual donors and receivers

```
mysql> select Count(*) from receiver where Receiver_Type="Individual";
+-----+
| Count(*) |
+-----+
| 2 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select Count(*) from donor where Donor_Type="Individual";
+-----+
| Count(*) |
+-----+
| 2 |
+-----+
1 row in set (0.00 sec)
```

11. Create View on table request_donor

```
mysql> create view new_view as select Donor_Id,Location from donor;
```

ERROR 1054 (42S22): Unknown column 'Location' in 'field list'

```
mysql> create view new_view as select Donor_Id,Location from request_donor;
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> select * from new_view;
```

Donor_Id	Location
1	Pimpri
2	Baner
3	Pimpri
4	Kothrud
4	Baner

5 rows in set (0.03 sec)

12. Create View on table order_completed

```
mysql> create view new_view2 as select Order_Id,Receiver_name,Donor_name from
order_completed;
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> select * from new_view2;
```

Order_Id	Receiver_name	Donor_name
301	Dhanraj patil	Gigi
302	Yuvraj Shete	Anandita
303	Yuvraj Shete	Mayuri

3 rows in set (0.00 sec)

13. Display the most recent order completed.

```
mysql> select * from order_completed limit 1;
```

Order_Id	Receiver_name	Donor_name	Quantity	Category
301	Dhanraj patil	Gigi	10	Chips

1 row in set (0.00 sec)

14. Create Index on order completed

```
mysql> show index from order_completed;
```

```

+-----+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+
| Table      | Non_unique | Key_name | Seq_in_index | Column_name | Collation |
Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+
| order_completed | 0 | PRIMARY | 1 | Order_Id | A | 3 |
NULL | NULL | BTREE | | |
| order_completed | 1 | i1 | 1 | Order_Id | A | 3 | NULL |
NULL | BTREE | | |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+-----+
2 rows in set (0.00 sec)

```

15. Display Donors in the descending order of Food Quantity.

```

mysql> select * from request_donor order by Quantity desc;
+-----+-----+-----+-----+
| Request_Donor_Id | Donor_Id | Location | Quantity | Category |
+-----+-----+-----+-----+
| 103 | 3 | Pimpri | 198 | Rice |
| 105 | 4 | Baner | 78 | Rotis |
| 104 | 4 | Kothrud | 68 | Bajra |
| 102 | 2 | Baner | 32 | Wheat |
| 101 | 1 | Pimpri | 10 | Chips |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

```

16. Describe table

```

mysql> desc donor;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Donor_Id | int(11) | NO | PRI | NULL | auto_increment |
| Name | varchar(100) | NO | | NULL | |
| Phno | varchar(10) | YES | UNI | NULL | |
| Email_id | varchar(100) | YES | UNI | NULL | |
| Donor_Type | varchar(100) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

```

```

mysql> desc receiver;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |

```

```

+-----+-----+-----+-----+-----+
| Receiver_Id | int(11) | NO | PRI | NULL | auto_increment |
| Name        | varchar(100) | NO | | NULL | |
| Phno        | varchar(10) | YES | UNI | NULL | |
| Email_id    | varchar(100) | YES | UNI | NULL | |
| Receiver_Type | varchar(100) | NO | | NULL | |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

```

```

mysql> desc request_donor;
+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra      |
+-----+-----+-----+-----+-----+
| Request_Donor_Id | int(11) | NO | PRI | NULL | auto_increment |
| Donor_Id       | int(11) | YES | MUL | NULL | |
| Location       | varchar(100) | NO | | NULL | |
| Quantity       | int(11) | NO | | NULL | |
| Category       | varchar(100) | NO | | NULL | |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

```

```

mysql> desc request_receiver;
+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra      |
+-----+-----+-----+-----+-----+
| Request_Receiver_Id | int(11) | NO | PRI | NULL | auto_increment |
| Receiver_Id       | int(11) | YES | MUL | NULL | |
| Location       | varchar(100) | NO | | NULL | |
| Quantity       | int(11) | NO | | NULL | |
| Category       | varchar(100) | NO | | NULL | |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

```

```

mysql> desc admins;
+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| UserId | int(11) | NO | PRI | NULL | |
| Password | varchar(100) | NO | | NULL | |
| Location | varchar(100) | NO | | NULL | |
| Email_Id | varchar(100) | YES | UNI | NULL | |
+-----+-----+-----+-----+-----+
4 rows in set (0.02 sec)

```

```
mysql> desc order_completed;
```

Field	Type	Null	Key	Default	Extra
Order_Id	int(11)	NO	PRI	NULL	auto_increment
Receiver_name	varchar(100)	NO		NULL	
Donor_name	varchar(100)	NO		NULL	
Quantity	int(11)	NO		NULL	
Category	varchar(100)	NO		NULL	

5 rows in set (0.01 sec)

17. Display receiver and donor requests according to the Locations. (Perform join)

```
mysql> select Request_Donor_Id ,Donor_Id , request_donor.Location
,Request_Receiver_Id ,Receiver_Id from request_donor inner join request_receiver on
request_donor.Location= request_receiver.Location;
```

Request_Donor_Id	Donor_Id	Location	Request_Receiver_Id	Receiver_Id
102	2	Baner	101	1
105	4	Baner	101	1
101	1	Pimpri	102	2
104	4	Kothrud	103	3
101	1	Pimpri	105	4

18. Quantity of food donated.

```
mysql> select sum(Quantity) as Quantity_kg from request_donor;
```

Quantity_kg
386

1 row in set (0.00 sec)

19. Display amount of wheat donated

```
mysql> select request_donor.Category ,Donor_Id , request_donor.Location ,
Receiver_Id ,request_donor.Quantity from request_donor inner join request_receiver on
request_donor.Category= request_receiver.Category where
request_donor.Category="Wheat";
```

Category	Donor_Id	Location	Receiver_Id	Quantity
----------	----------	----------	-------------	----------

Wheat	2	Baner	3	32
-------	---	-------	---	----

1 row in set (0.00 sec)

20. Display amount of food donated in Baner

```
mysql> select Donor_Id,Receiver_Id,request_donor.Quantity,request_donor.Location
from request_donor inner join request_receiver on request_donor.Location=
request_receiver.Location where request_donor.Location="Baner";
```

Donor_Id	Receiver_Id	Quantity	Location
2	1	32	Baner
4	1	78	Baner

2 rows in set (0.00 sec)

21. Display Donors and Admin of Baner.

```
mysql> select admins.UserId,donor.Name ,admins.Location from donor inner join
request_donor inner join admins on donor.Donor_Id =request_donor.Donor_Id and
admins.Location=request_donor.Location where admins.Location="Baner";
```

UserId	Name	Location
509	Anandita	Baner
509	Shivam	Baner

2 rows in set (0.00 sec)

22. Avg Food Orders completed.

```
mysql> select avg(Quantity) as Avg_Quantity_Donated from order_completed;
```

Avg_Quantity_Donated
80.0000

1 row in set (0.00 sec)