

## **ADVANCED QUERIES:**

### **1.List the name of the users whose BlockNum>5**

```
SELECT Name as Hostile_User  
FROM Users,Monitors  
WHERE BlockNum>5 AND Users.userid = monitors.userid;
```

```
SELECT Name as Hostile_User  
FROM Users, Monitors  
WHERE blocknum>5 AND Users.userid = monitors.userid;
```

Query Result x	
SQL   All Rows Fetched: 1 in 0.004 seconds	
	HOSTILE_USER
1	Jessica Doe

### **2. List the companies that are in the same city as the users and have a rating greater than 3.5**

```
SELECT Name, CompanyName as Potential_Dating_Spots  
FROM OutsideCompanies,Users,Locations  
WHERE Rating>3.5 AND Users.City=Locations.City AND  
Locations.LocationID=OutsideCompanies.LocationID;
```

```
Select name, companyname|as Potential_Dating_Spots  
FROM Users, OutsideCompanies, Locations  
WHERE rating > 3.5 AND users.city = locations.city AND locations.locationid = outsidecompanies.locationid;
```

Query Result x	
SQL   All Rows Fetched: 8 in 0.002 seconds	
	POTENTIAL_DATING_SPOTS
1	David Jackson Rudy's Bar
2	Jessica Doe Rudy's Bar
3	Marilyn Monroe Rudy's Bar
4	Frank Sinatra Rudy's Bar
5	David Jackson Cafe du Marc
6	Jessica Doe Cafe du Marc
7	Marilyn Monroe Cafe du Marc
8	Frank Sinatra Cafe du Marc

### **3. List all the active users( A.K.A which users are actively liking others)**

```
SELECT e.Name AS Active  
FROM Users e,LikedUsers  
WHERE e.UserID=Liker
```

```
AND EXISTS(
SELECT r.Name AS Likee
FROM Users r,LikedUsers
WHERE r.UserID=Likee )
ORDER BY e.UserID;
```

```
3 SELECT e.Name AS Active
FROM Users e,LikedUsers
WHERE e.UserID=Liker
AND EXISTS(
SELECT r.Name AS Likee
FROM Users r,LikedUsers
WHERE r.UserID=Likee )
ORDER BY e.UserID;
```

Query Result	
	ACTIVE
1	Kanye West
2	David Jackson
3	Jessica Doe
4	Frank Sinatra
5	Frank Sinatra
6	Jimmy Ricky
7	Marilyn Monroe

#### 4.List all the Likes for each user

```
SELECT e.Name AS Liker, r.Name AS Likee
FROM Users e,Users r,LikedUsers
WHERE e.UserID=Liker AND r.UserID=Likee
ORDER BY e.UserID;
```

```

SELECT e.Name AS Liker, r.Name AS Likee
FROM Users e,Users r,LikedUsers
WHERE e.UserID=Liker AND r.UserID=Likee
ORDER BY e.UserID;

```

Script Output | Query Result | Query Result 1

SQL | All Rows Fetched: 6 in 0.013 seconds

LIKER	LIKEE
1 Kanye West	Jimmy Ricky
2 David Jackson	Marilyn Monroe
3 Jessica Doe	Marilyn Monroe
4 Frank Sinatra	Marilyn Monroe
5 Frank Sinatra	Kanye West
6 Jimmy Ricky	Frank Sinatra

## 5. List all the matches( users who have liked each other)

```

SELECT m.name, l.name
FROM Users m, users l, likedusers
WHERE liker = m.userid AND likee = l.userid AND
EXISTS (
    SELECT liker
    FROM likedusers
    WHERE likee = m.userid AND liker = l.userid);

```

```

SELECT DISTINCT m.name, l.name
FROM Users m, users l, likedusers
WHERE liker = m.userid AND likee = l.userid AND
EXISTS (
    SELECT liker
    FROM likedusers
    WHERE likee = m.userid AND liker = l.userid );

```

Script Output | Query Result

SQL | All Rows Fetched: 2 in 0.028 seconds

NAME	NAME_1
1 Marilyn Monroe	Frank Sinatra
2 Frank Sinatra	Marilyn Monroe

## VIEWS:

1.

Create VIEW Potential\_Matches AS(

```
SELECT UserID,Name  
FROM Users  
WHERE City='Toronto' AND Gender='F' AND (SexualOrn='Gay' OR SexualOrn='Bi'));
```

```
INSERT INTO Users(UserID, Password, Name, DateOfBirth, SexualOrn, Province, City, Gender)  
VALUES ('ChezzyYezzy', 'scoobdypoop', 'Kanye West', '06/08/77', 'Bi', 'Ontario', 'Ottawa', 'M');  
  
select * from Potential_Matches;
```

Script Output x Query Result x

SQL | All Rows Fetched: 2 in 0.007 seconds

USERID	NAME
1 J_doeyo	Jessica Doe
2 marrymac	Marilyn Monroe

2.

Create VIEW Potential\_Male\_Matches AS(

```
SELECT UserID,Name  
FROM Users  
WHERE City='Ottawa' AND Gender='M' AND (SexualOrn='Gay' OR SexualOrn='Bi'));
```

```
>Create VIEW Potential_Male_Matches AS(  
SELECT UserID,Name  
FROM Users  
WHERE City='Ottawa' AND Gender='M' AND (SexualOrn='Gay' OR SexualOrn='Bi'));  
  
select * from Potential_Male_Matches;
```

Script Output x Query Result x

SQL | All Rows Fetched: 2 in 0.005 seconds

USERID	NAME
1 jimmydee	Jimmy Ricky
2 ChezzyYezzy	Kanye West

3.

Create VIEW Good\_Toronto\_Companies AS(

```
SELECT      CompanyName
FROM        OutsideCompanies,
WHERE       Rating>3.5 AND OutsideCompanies.City='Toronto');
```

```
CREATE VIEW Good_Toronto_Companies AS (
    SELECT companyName
    FROM OutsideCompanies, Locations
    WHERE rating > 3.5 AND locations.city = 'Toronto' AND locations.locationid = outsidecompanies.locationid);

    SELECT * FROM good_toronto_companies;
```

Script Output x | Query Result x

SQL | All Rows Fetched: 2 in 0.005 seconds

COMPANYNAME
1 Rudy's Bar
2 Cafe du Marc

4.

CREATE VIEW Active\_users AS(

```
SELECT Name
FROM Users,LikedUsers
WHERE LikedUsers.Liker=Users.UserID);
```

```
CREATE VIEW Active_users AS (
    SELECT Name
    FROM Users,LikedUsers
    WHERE LikedUsers.Liker=Users.UserID);

    Select * FROM Active_users;
```

Script Output x | Query Result x | Query Result 1

SQL | All Rows Fetched: 6 in 0.009 seconds

NAME
1 Frank Sinatra
2 David Jackson
3 Jessica Doe
4 Kanye West
5 Jimmy Ricky
6 Frank Sinatra