

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	
NAME	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;

```

```

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 x	
SQL All Rows Fetched:	
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;

```

	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 );

```

	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');
```

The screenshot shows the SQL Developer interface. The top pane contains the SQL script for creating and querying the view. The bottom pane shows the query results in a table format.

```
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;
```

Query 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);
```

The screenshot shows the SQL Developer interface. The top pane contains the SQL script for creating and querying the view. The bottom pane shows the query results in a table format.

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

Select * FROM Active_users;
```

Query 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