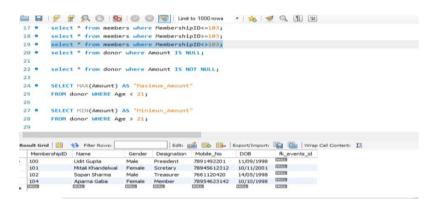
P4: Filtering Data Using WHERE

By 2047262 (Udit Gupta)

```
a) 1. =, <, >, >=,<=,<>
```

```
select * from members where MembershipID=101;
select * from members where MembershipID<103;
select * from members where MembershipID>103;
select * from members where MembershipID<=103;
select * from members where MembershipID>=103;
select * from members where MembershipID<>>103;
```



2. null values

select * from donor where Amount IS NULL;

3. not null values;

```
select * from donor where Amount IS NOT NULL;
```

4. min, max, avg, count with "where" keyword

```
SELECT MAX(Amount) AS "Maximum_Amount"
```

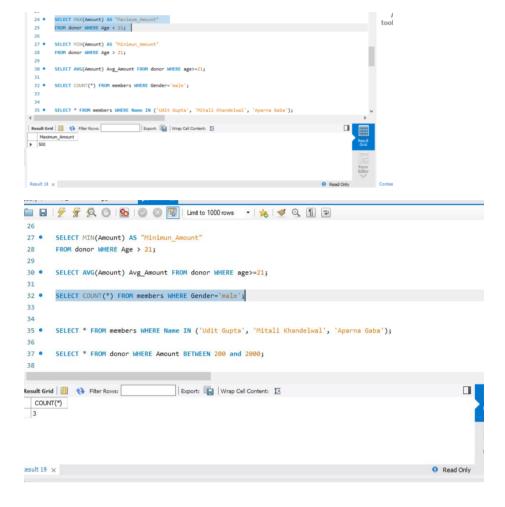
FROM donor WHERE Age < 21;

SELECT MIN(Amount) AS "Minimun_Amount"

FROM donor WHERE Age > 21;

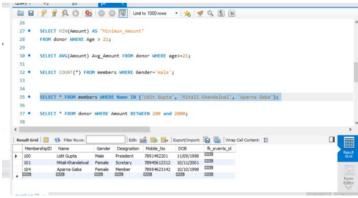
SELECT AVG(Amount) Avg_Amount FROM donor WHERE age>=21;

SELECT COUNT(*) FROM members WHERE Gender='male';



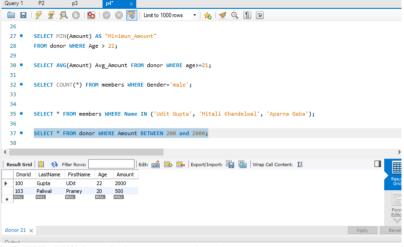
b) 1. IN

SELECT * FROM members WHERE Name IN ('Udit Gupta', 'Mitali Khandelwal', 'Aparna Gaba');



2. BETWEEN

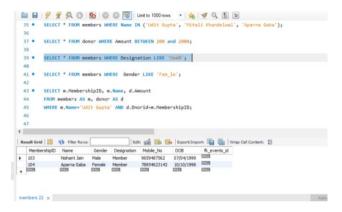
SELECT * FROM donor WHERE Amount BETWEEN 200 and 2000;



3. LIKE (Wildcard characters %, _)

SELECT * FROM members WHERE Designation LIKE 'Mem%';

SELECT * FROM members WHERE Gender LIKE 'Fem_le';



4. Aliases

SELECT m.MembershipID, m.Name, d.Amount

FROM members AS m, donor AS d

WHERE m.Name='Udit Gupta' AND d.Dnorid=m.MembershipID;

```
🚞 🔚 | 🐓 💯 👰 🕖 | 🚱 | 💿 🔞 🔞 | Limit to 1000 rows 🔹 | 🛵 | 🥑 🔍 🗻 🖃
 41 • SELECT * FROM members WHERE Gender LIKE 'Fem_le';
 42
 43 • SELECT m.MembershipID, m.Name, d.Amount
       FROM members AS m, donor AS d
 44
       WHERE m.Name='Udit Gupta' AND d.Dnorid=m.MembershipID;
 45
 46
 47
 48 • SELECT * FROM donor
      WHERE (age = 20 AND Amount = 1000);
 49
 50
 51
 52 • SELECT * FROM donor
 53
      WHERE (age = 20 OR Amount = 2000);
<
Result Grid | Wrap Cell Content: IA
| MembershipID Name Amou
|► 100 Udit Gupta 2000
```

c) 1. AND, OR, NOT (combine keywords, operators)

SELECT * FROM donor

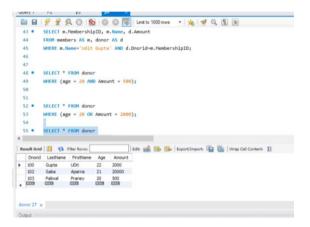
WHERE (age = 20 AND Amount = 500);

SELECT * FROM donor

WHERE (age = 20 OR Amount = 2000);

SELECT * FROM donor

WHERE Amount IS NOT NULL;



UPDATE donor SET Amount = 500 WHERE Dnorid=103:

DELETE FROM donor WHERE Dnorid=104;

