

1.orderby clause:

```
1 create table student(st_id INT, name varchar(100),DOB date,ph_no BIGINT);
2
3 insert into student(st_id, name, DOB, ph_no)
4 values(6, 'Ghanto', '2000-11-11', 7676767676);
5 insert into student(st_id, name, DOB, ph_no)
6 values(2, 'Ashutosh', '2000-07-08', 628672628);
7 insert into student(st_id, name, DOB, ph_no)
8 values(3, 'Avinash', '1999-02-09', 856645353);
9 insert into student(st_id, name, DOB, ph_no)
10 values(4, 'Unknown', '2000-12-01', 7463545367);
11 insert into student(st_id, name, DOB, ph_no)
12 values(5, 'Mysql', '1999-01-12', 9675645287);
13
14 SELECT * from student ORDER BY st_id;
```

Run (Ctrl-Enter)

Output Input Comments 0

st_id	name	DOB	ph_no
2	Ashutosh	2000-07-08	628672628
3	Avinash	1999-02-09	856645353
4	Unknown	2000-12-01	7463545367
5	Mysql	1999-01-12	9675645287
6	Ghanto	2000-11-11	7676767676

2.Groupby and having:

```
1 create table student(st_id INT, name varchar(100),DOB date,ph_no BIGINT,department VARCHAR(100));
2
3 insert into student(st_id, name, DOB, ph_no,department)
4 values(6, 'Ghanto', '2000-11-11', 7676767676,"CSE");
5 insert into student(st_id, name, DOB, ph_no,department)
6 values(2, 'Ashutosh', '2000-07-08', 628672628,"ECE");
7 insert into student(st_id, name, DOB, ph_no,department)
8 values(3, 'Avinash', '1999-02-09', 856645353,"CSE");
9 insert into student(st_id, name, DOB, ph_no,department)
10 values(4, 'Unknown', '2000-12-01', 7463545367,"ECE");
11 insert into student(st_id, name, DOB, ph_no,department)
12 values(5, 'Mysql', '1999-01-12', 9675645287,"ECE");
13
14 SELECT department,count(*) from student group by department having count(*)>1;
```

Run (Ctrl-Enter)

Output Input Comments 0

department	count(*)
CSE	2
ECE	3

3.aggregate functions:

```
1 create table student(st_id INT, name varchar(100),DOB date,ph_no BIGINT,department VARCHAR(100));
2
3 insert into student(st_id, name, DOB, ph_no,department)
4 values(6, 'Ghanto', '2000-11-11', 7676767676,"CSE");
5 insert into student(st_id, name, DOB, ph_no,department)
6 values(2, 'Ashutosh', '2000-07-08', 628672628,"ECE");
7 insert into student(st_id, name, DOB, ph_no,department)
8 values(3, 'Avinash', '1999-02-09', 856645353,"CSE");
9 insert into student(st_id, name, DOB, ph_no,department)
10 values(4, 'Unknown', '2000-12-01', 7463545367,"ECE");
11 insert into student(st_id, name, DOB, ph_no,department)
12 values(5, 'Mysql', '1999-01-12', 9675645287,"ECE");
13
14 SELECT min(st_id) as minst_id from student;
```

Run (Ctrl-Enter)

Output Input Comments 0

minst_id
2

4.logical operators with like:

```
1 create table student(st_id INT, name varchar(100),DOB date,ph_no BIGINT,department VARCHAR(100));
2
3 insert into student(st_id, name, DOB, ph_no,department)
4 values(6, 'Ghanto', '2000-11-11', 7676767676,"CSE");
5 insert into student(st_id, name, DOB, ph_no,department)
6 values(2, 'Ashutosh', '2000-07-08', 628672628,"ECE");
7 insert into student(st_id, name, DOB, ph_no,department)
8 values(3, 'Avinash', '1999-02-09', 856645353,"CSE");
9 insert into student(st_id, name, DOB, ph_no,department)
10 values(4, 'Unknown', '2000-12-01', 7463545367,"ECE");
11 insert into student(st_id, name, DOB, ph_no,department)
12 values(5, 'Mysql', '1999-01-12', 9675645287,"ECE");
13
14 SELECT * from student where name like "A%" and department="CSE";
```

 Run (Ctrl-Enter) 

Output Input Comments 0

st_id	name	DOB	ph_no	department
3	Avinash	1999-02-09	856645353	CSE

5. use 4 nested queries to fetch some data with atleast 2 min subquery:

a)

```
1 create table student(st_id INT, name varchar(100),DOB date,ph_no BIGINT,department VARCHAR(100));
2
3 insert into student(st_id, name, DOB, ph_no,department)
4 values(6, 'Ghanto', '2000-11-11', 7676767676,"CSE");
5 insert into student(st_id, name, DOB, ph_no,department)
6 values(2, 'Ashutosh', '2000-07-08', 628672628,"ECE");
7 insert into student(st_id, name, DOB, ph_no,department)
8 values(3, 'Avinash', '1999-02-09', 856645353,"CSE");
9 insert into student(st_id, name, DOB, ph_no,department)
10 values(4, 'Unknown', '2000-12-01', 7463545367,"ECE");
11 insert into student(st_id, name, DOB, ph_no,department)
12 values(5, 'Mysql', '1999-01-12', 9675645287,"ECE");
13 insert into student(st_id, name, DOB, ph_no,department)
14 values(5, 'killpr', '1999-01-12', 45638757890,"ECE");
15
16 SELECT * from student where st_id =any(select st_id from student where st_id=5);
```

Run (Ctrl-Enter)

Output Input Comments 0

st_id	name	DOB	ph_no	department
5	Mysql	1999-01-12	9675645287	ECE
5	killpr	1999-01-12	45638757890	ECE

b)

```
1 create table student(st_id INT, name varchar(100),DOB date,ph_no BIGINT,department VARCHAR(100));
2
3 insert into student(st_id, name, DOB, ph_no,department)
4 values(6, 'Ghanto', '2000-11-11', 7676767676,"CSE");
5 insert into student(st_id, name, DOB, ph_no,department)
6 values(2, 'Ashutosh', '2000-07-08', 628672628,"ECE");
7 insert into student(st_id, name, DOB, ph_no,department)
8 values(3, 'Avinash', '1999-02-09', 856645353,"CSE");
9 insert into student(st_id, name, DOB, ph_no,department)
10 values(4, 'Unknown', '2000-12-01', 7463545367,"ECE");
11 insert into student(st_id, name, DOB, ph_no,department)
12 values(5, 'Mysql', '1999-01-12', 9675645287,"ECE");
13 insert into student(st_id, name, DOB, ph_no,department)
14 values(5, 'killpr', '1999-01-12', 45638757890,"ECE");
15
16 select * from student where st_id=
17 (select st_id From
18 student where st_id=
19 (select MAX(st_id) from student));
```

Run (Ctrl-Enter)

Output	Input	Comments
st_id	name	DOB
6	Ghanto	2000-11-11
		ph_no
		7676767676
		department
		CSE

c)

```
1 create table student(st_id INT, name varchar(100),DOB date,ph_no BIGINT,department VARCHAR(100));
2
3 insert into student(st_id, name, DOB, ph_no,department)
4 values(6, 'Ghanto', '2000-11-11', 7676767676,"CSE");
5 insert into student(st_id, name, DOB, ph_no,department)
6 values(2, 'Ashutosh', '2000-07-08', 628672628,"ECE");
7 insert into student(st_id, name, DOB, ph_no,department)
8 values(3, 'Avinash', '1999-02-09', 856645353,"CSE");
9 insert into student(st_id, name, DOB, ph_no,department)
10 values(4, 'Unknown', '2000-12-01', 7463545367,"ECE");
11 insert into student(st_id, name, DOB, ph_no,department)
12 values(5, 'Mysql', '1999-01-12', 9675645287,"ECE");
13 insert into student(st_id, name, DOB, ph_no,department)
14 values(5, 'killpr', '1999-01-12', 45638757890,"ECE");
15
16 select * from student where st_id=
17 (select st_id From
18 student where st_id=
19 (select MIN(st_id) from student));
```

Run (Ctrl-Enter)

Output	Input	Comments
st_id	name	DOB
2	Ashutosh	2000-07-08
		ph_no
		628672628
		department
		ECE

d)

```
1 create table student(st_id INT, name varchar(100),DOB date,ph_no BIGINT,department VARCHAR(100));
2
3 insert into student(st_id, name, DOB, ph_no,department)
4 values(6, 'Ghanto', '2000-11-11', 7676767676,"CSE");
5 insert into student(st_id, name, DOB, ph_no,department)
6 values(2, 'Ashutosh', '2000-07-08', 628672628,"ECE");
7 insert into student(st_id, name, DOB, ph_no,department)
8 values(3, 'Avinash', '1999-02-09', 856645353,"CSE");
9 insert into student(st_id, name, DOB, ph_no,department)
10 values(4, 'Unknown', '2000-12-01', 7463545367,"ECE");
11 insert into student(st_id, name, DOB, ph_no,department)
12 values(5, 'Mysql', '1999-01-12', 9675645287,"ECE");
13 insert into student(st_id, name, DOB, ph_no,department)
14 values(5, 'killpr', '1999-01-12', 45638757890,"ECE");
15
16 select * from student where st_id=
17 (select st_id From
18 student where st_id=
19 (select count(st_id) from student));
```

Save and Run

Run (Ctrl-Enter)

Output Input Comments 0

st_id	name	DOB	ph_no	department
6	Ghanto	2000-11-11	7676767676	CSE