```
--fetching rows
select * from student
order by stu_name asc
fetch first 5 rows only;

 stu_id | stu_name | stu_age | dept_id
--------+----------+---------+---------
  20001 | adithya  |      20 |       2
  20002 | anand    |      18 |       2
  40003 | ganesh   |      19 |       4
  30003 | guna     |      18 |       3
  10001 | karuppa  |      18 |       1

--fetching some rows
select * from student
order by stu_name asc
offset 3
fetch next 5 rows only;

 stu_id | stu_name | stu_age | dept_id
--------+----------+---------+---------
  30003 | guna     |      18 |       3
  10001 | karuppa  |      18 |       1
  30002 | mani     |      20 |       3
  10003 | mari     |      19 |       1
  50001 | muthu    |      18 |       5

--is null
select * from student
where stu_name is null;

 stu_id | stu_name | stu_age | dept_id
--------+----------+---------+---------
(0 rows)
```

```
--filtering rows using where
select * from student
where dept_id=1;

 stu_id | stu_name | stu_age | dept_id
--------+----------+---------+---------
  10001 | karuppa  |      18 |       1
  10002 | tamil    |      20 |       1
  10003 | mari     |      19 |       1

select * from student
where stu_age>=8 ;

 stu_id | stu_name | stu_age | dept_id
--------+----------+---------+---------
  10001 | karuppa  |      18 |       1
  10002 | tamil    |      20 |       1
  10003 | mari     |      19 |       1
  20001 | adithya  |      20 |       2
  20002 | anand    |      18 |       2
  20003 | pravin   |      19 |       2
  30001 | vasanth  |      18 |       3
  30002 | mani     |      20 |       3
  30003 | guna     |      18 |       3
  40001 | vijay    |      19 |       4
  40002 | viswa    |      18 |       4
  40003 | ganesh   |      19 |       4
  50001 | muthu    |      18 |       5
  50002 | vignesh  |      20 |       5
  50003 | siva     |      18 |       5
  60001 | santhosh |      19 |       6
  60002 | thiru    |      18 |       6
  60003 | ragul    |      18 |       6

--range tests using between
select * from student
where  stu_age between 18 and 19 ;

 stu_id | stu_name | stu_age | dept_id
--------+----------+---------+---------
  10001 | karuppa  |      18 |       1
  10003 | mari     |      19 |       1
  20002 | anand    |      18 |       2
  20003 | pravin   |      19 |       2
  30001 | vasanth  |      18 |       3
  30003 | guna     |      18 |       3
  40001 | vijay    |      19 |       4
  40002 | viswa    |      18 |       4
  40003 | ganesh   |      19 |       4
  50001 | muthu    |      18 |       5
  50003 | siva     |      18 |       5
```
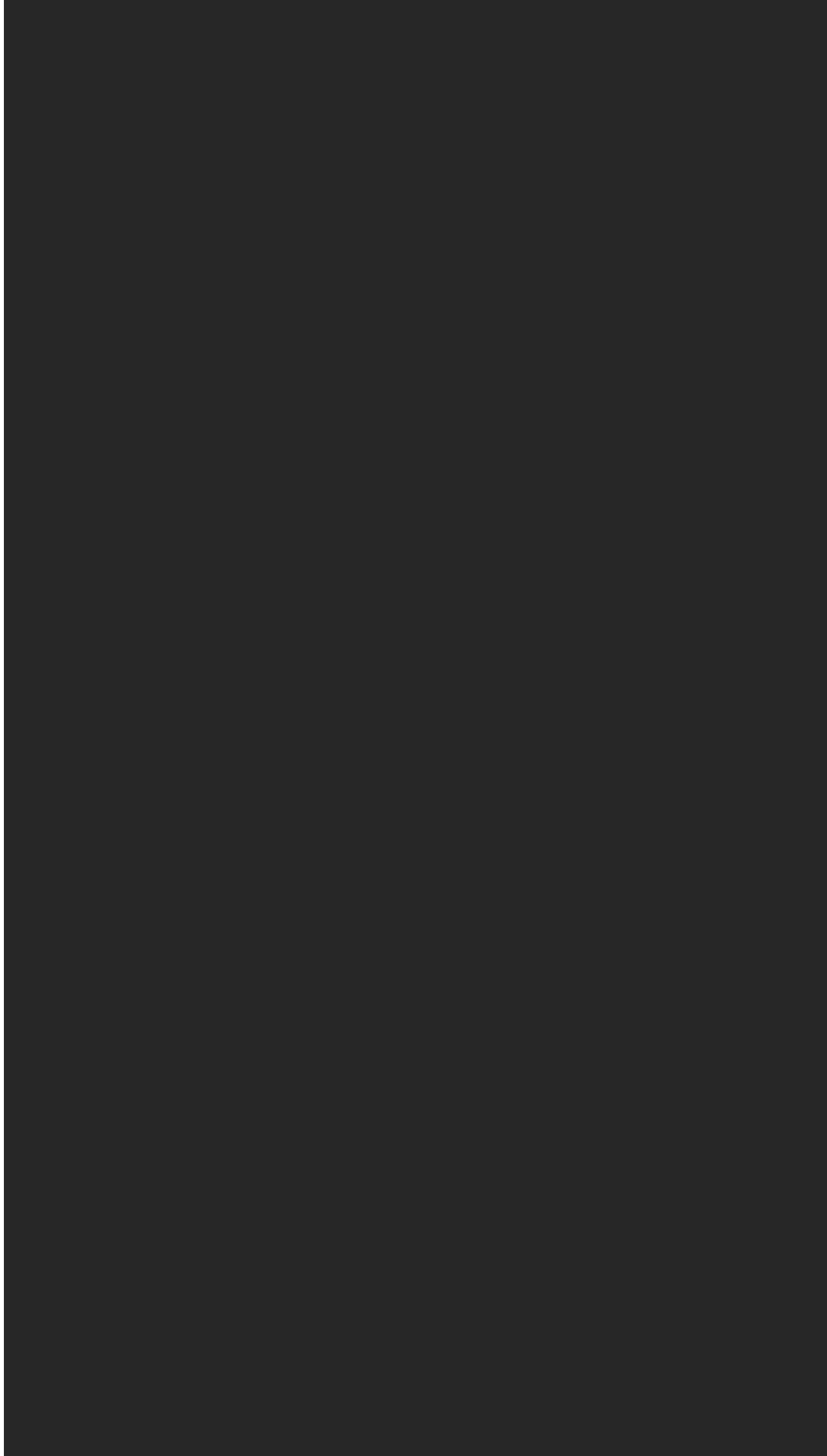
```sql
--check values matches using in
select * from student
where  dept_id in (1,3,5) ;
```

stu_id	stu_name	stu_age	dept_id
10001	karuppa	18	1
10002	tamil	20	1
10003	mari	19	1
30001	vasanth	18	3
30002	mani	20	3
30003	guna	18	3
50001	muthu	18	5
50002	vignesh	20	5
50003	siva	18	5

```sql
--update table
--updating one row
update staff
set course_name='DBMS'
where staff_name='durga';

--updating all rows
update student
set stu_age=19;

--delete tables
--delete specific rows
delete from student
where dept_id=5;

--delete all rows
delete from student;
```

```
--sorting and limiting rows
--sorting rows using order by
select * from student
order by stu_name asc;

 stu_id | stu_name | stu_age | dept_id
--------+----------+---------+---------
  20001 | adithya  |      20 |       2
  20002 | anand    |      18 |       2
  40003 | ganesh   |      19 |       4
  30003 | guna     |      18 |       3
  10001 | karuppa  |      18 |       1
  30002 | mani     |      20 |       3
  10003 | mari     |      19 |       1
  50001 | muthu    |      18 |       5
  20003 | pravin   |      19 |       2
  60003 | ragul    |      18 |       6
  60001 | santhosh |      19 |       6
  50003 | siva     |      18 |       5
  10002 | tamil    |      20 |       1
  60002 | thiru    |      18 |       6
  30001 | vasanth  |      18 |       3
  50002 | vignesh  |      20 |       5
  40001 | vijay    |      19 |       4
  40002 | viswa    |      18 |       4

--limiting rows using limit
select * from department
order by dept_start_date asc
limit 5;

 dept_id | dept_name | dept_start_date
---------+-----------+-----------------
       6 | CIVIL     | 1879-04-25
       5 | MECH      | 1927-01-31
       4 | EEE       | 1963-12-11
       3 | ECE       | 1976-09-21
       2 | CSE       | 1990-06-04

--fetching rows
select * from student
order by stu_name asc
fetch first 5 rows only;

 stu_id | stu_name | stu_age | dept_id
--------+----------+---------+---------
  20001 | adithya  |      20 |       2
  20002 | anand    |      18 |       2
  40003 | ganesh   |      19 |       4
  30003 | guna     |      18 |       3
  10001 | karuppa  |      18 |       1
```