```
mysql> delete from student where name = 'san';
Query OK, 1 row affected (0.01 sec)
mysql> select * from student;
          | id | address | marks |
sania
          | 12 | hyd
                              78
          24 | paris
 conrad
                              99
 charles | 34 |
                monaco
                              16
 carlos
          35
              l hyd
                              55
 virat
          | 45
              l uk
                              18
5 rows in set (0.00 sec)
mysql> select sum(marks) from student;
 sum(marks)
         266 I
1 row in set (0.00 sec)
mysql> select avg(marks) from students;
ERROR 1146 (42S02): Table 'nit.students' doesn't exist
mysql> select avg(marks) from student;
 avg(marks)
     53.2000
1 row in set (0.00 sec)
mysql> select count(name) from student;
| count(name) |
```

```
mysql> select count(name) from student;
 count(name) |
            5 I
1 row in set (0.00 sec)
mysql> select max(marks) from student;
| max(marks) |
          99 l
1 row in set (0.00 sec)
mysql> select min(marks) from student;
| min(marks) |
          16 l
1 row in set (0.00 sec)
mysql> select * from student order by marks;
 name
          | id | address | marks
 charles | 34 | monaco
                              16
 virat
          | 45
                uk
                              18
          35
                              55
 carlos
               hyd
               hyd
 sania
           12
                              78
          24
 conrad
               paris
                              99
5 rows in set (0.00 sec)
```

```
mysql> select * from student order by marks desc;
name | id | address | marks |
| conrad | 24 | paris
                             99
          | 12 | hyd
 sania
                             78
 carlos
          | 35 | hyd
                             55
 virat
          | 45 | uk
                             18
 charles | 34 | monaco
                             16
5 rows in set (0.00 sec)
mysql> select * from student where name like 's%';
| name | id | address | marks
| sania | 12 | hyd
                           78
1 row in set (0.00 sec)
mysql> select * from student where name like 'c%';
          | id | address | marks
 name
 conrad
         | 24 | paris
                             99
 charles 34 monaco
                             16
 carlos
          | 35 | hyd
                             55
3 rows in set (0.00 sec)
mysql> select * from student where name like 'y%';
Empty set (0.00 sec)
```

```
    MySQL 8.0 Command Line Cli 

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```
mysql> select * from student where name like '%s';
          | id | address | marks
 name
 charles | 34 | monaco
                              16
          | 35 | hyd
 carlos
                              55
2 rows in set (0.00 sec)
mysql> select * from student where name like '_s%';
Empty set (0.00 sec)
mysql> select * from student where name like '_a%';
         | id | address | marks
 sania
         | 12 | hvd
                             78
 carlos | 35 | hyd
                             55
2 rows in set (0.00 sec)
mysql> select * from student where name like 'a%_';
Empty set (0.00 sec)
mysql> select * from student where name like '%a_';
         | id | address | marks
 name
 conrad | 24 | paris
                             99
 virat
         | 45 | uk
                             18
2 rows in set (0.00 sec)
```

mysql> create table emp(id int not null primary key, salary int, empcode int Query OK, 0 rows affected (0.04 sec)

mysql> create table emp(id int not null primary key,salary int,empcode int , name varchar(30)); Query OK, O rows affected (0.04 sec)

```
mysql> insert into emp values(12,20000,102,'Aman'),(24,60000,104,'pat'),(34,30000,105,'max'),(35,25000,103,'oscar'),(45,90000,106,'AB D');
```

Query OK, 5 rows affected (0.02 sec) Records: 5 Duplicates: 0 Warnings: 0

mysql> select * from emp;

	L	L	L
id	salary	empcode	name
12 24 34 35 45	20000 60000 30000 25000 90000	102 104 105 103 106	Aman pat max oscar ABD
+	+		+

5 rows in set (0.00 sec)

mysql> select * from student;

name	id	address	marks
sania	12	hyd	78
conrad	24	paris	99
charles	34	monaco	16
carlos	35	hyd	55

mysql> select * from student;

+	<u> </u>	+	+
name	id	address	marks
sania conrad charles carlos virat	12 24 34 35 45	hyd paris monaco hyd uk	78 99 16 55 18

5 rows in set (0.00 sec)

mysql> select * from student inner join emp on student.id = emp=id; ERROR 1054 (42S22): Unknown column 'emp' in 'on clause'

mysql> select * from student inner join emp on student.id = emp.id;

name	id	address	marks	id	salary	empcode	name
sania	12	hyd	78	12	20000	102	Aman
conrad	24	paris	99	24	60000	104	pat
charles	34	monaco	16	34	30000	105	max
carlos	35	hyd	55	35	25000	103	oscar
virat	45	uk	18	45	90000	106	ABD

5 rows in set (0.00 sec)

mysql> select * from emp inner join student on student.id = emp.id;

id salary empcode name name id address marks 12 20000 102 Aman sania 12 hyd 78 24 60000 104 pat conrad 24 paris 99 34 30000 105 max charles 34 monaco 16 35 25000 103 oscar carlos 35 hyd 55 45 90000 106 ABD virat 45 uk 18	4							4
24 60000 104 pat conrad 24 paris 99 34 30000 105 max charles 34 monaco 16 35 25000 103 oscar carlos 35 hyd 55	id	salary	empcode	name	name	id	address	marks
	24 34 35	60000 30000 25000	104 105 103	pat max oscar	conrad charles carlos	24 34 35	paris monaco hyd	99 16 55

5 rows in set (0.00 sec)

mysql> select * from student left join emp on student.id = emp.id;

name	id	address	marks	id	salary	empcode	name
sania	12	hyd	78	12	20000	102	Aman
conrad	24	paris	99	24	60000	104	pat
charles	34	monaco	16	34	30000	105	max
carlos	35	hyd	55	35	25000	103	oscar
virat	45	uk	18	45	90000	106	ABD

5 rows in set (0.00 sec)

mysql> select * from student right join emp on student.id = emp.id;

name	id	address	marks	id	salary	empcode	name
sania	12	hyd	78	12	20000	102	Aman
conrad	24	paris	99	24	60000	104	pat
charles	34	monaco	16	34	30000	105	max
carlos	35	hyd	55	35	25000	103	oscar
virat	45	uk	18	45	90000	106	ABD

5 rows in set (0.00 sec)

mysql> select * from student cross join emp;

name	id	address	marks	id	salary	empcode	name
virat carlos	45 35	uk hvd	18 55	12 12	 20000 20000	102 102	Aman Aman
charles	34	monaco	16	12	20000	102	Aman
conrad sania	24 12	paris hyd	99 78	12 12	20000 20000	102 102	Aman Aman
virat carlos	45 35	uk hyd	18 55	24 24	60000 60000	104 104	pat pat

MySQL 8.0 Command Line Cli X | virat 45 | uk 18 | 45 | 90000 l 106 | ABD 5 rows in set (0.00 sec) mysql> select * from student cross join emp; address id | marks id | salary empcode name name 12 virat 45 uk 18 20000 102 Aman carlos 35 hvd 55 12 Aman 20000 102 charles 34 monaco 16 12 20000 102 Aman conrad 24 paris 99 12 102 Aman 20000 sania 12 hvd 78 12 20000 102 Aman 45 24 virat uk 18 104 60000 pat 24 carlos 35 hyd 55 60000 104 pat 24 charles 34 16 104 monaco 60000 pat conrad 24 paris 99 24 104 60000 pat sania 12 78 24 104 hvd 60000 pat 34 virat 45 uk 18 30000 105 max carlos 35 hyd 55 34 105 30000 max charles 34 monaco 16 34 30000 105 max

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25 rows in set (0.00 sec)

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uk

hyd

hvd

uk

hvd

hvd

monaco

paris

monaco

paris

mysql>

conrad

sania

virat

carlos

conrad

sania

virat

carlos

charles

conrad

sania

charles