

```
mysql> select * from family;
```

id	name	age	salary	city
1	arvi	29	50000	pune
2	saif	22	70000	delhi
3	sandeep	30	78555	zarkhand
4	prantik	26	20000	bengal
5	rajiv	24	78435	noida

```
5 rows in set (0.00 sec)
```

```
mysql> select * from laptop;
```

lid	lmodel	l_id
10	dell	4
20	hp	1
30	apple	2
40	dell	3
50	acer	5

```
5 rows in set (0.00 sec)
```

```
mysql> select * from family where name like 's%';
```

id	name	age	salary	city
2	saif	22	70000	delhi
3	sandeep	30	78555	zarkhand

```
2 rows in set (0.05 sec)
```

```
mysql> select * from family where salary between 20000 and 7588;  
Empty set (0.10 sec)
```

```
mysql> select * from family where salary between 20000 and 75888;
```

id	name	age	salary	city
1	arvi	29	50000	pune
2	saif	22	70000	delhi
4	prantik	26	20000	bengal

```
3 rows in set (0.00 sec)
```

```
mysql>
```

MySQL 8.0 Command Line Client

```
mysql> select * from family order by salary desc;
```

id	name	age	salary	city
3	sandeep	30	78555	zarkhand
5	rajiv	24	78435	noida
2	saif	22	70000	delhi
1	arvi	29	50000	pune
4	prantik	26	20000	bengal

5 rows in set (0.00 sec)

```
mysql> select * from family where age >= 24 and age<=30;
```

id	name	age	salary	city
1	arvi	29	50000	pune
3	sandeep	30	78555	zarkhand
4	prantik	26	20000	bengal
5	rajiv	24	78435	noida

4 rows in set (0.11 sec)

```
mysql> select * from family where age>24 and age<30;
```

id	name	age	salary	city
1	arvi	29	50000	pune
4	prantik	26	20000	bengal

2 rows in set (0.00 sec)

```
mysql> select * from family where salary< 25000 and age > 30;
```

Empty set (0.00 sec)

```
mysql> select * from family where salary< 25000;
```

id	name	age	salary	city
4	prantik	26	20000	bengal

1 row in set (0.00 sec)

```
mysql>
```



Type here to search



22:09
06-05-2021



```
mysql> select max(salary) as Second_Sal from family where salary  
-> not in (select max(salary) from family);
```

```
+-----+  
| Second_Sal |  
+-----+  
|      78435 |  
+-----+
```

1 row in set (0.00 sec)

```
mysql> select max(salary) as Third_Sal from family where salary <  
->  
-> (select max(salary) from family where salary not in (select max(salary) from family));
```

```
+-----+  
| Third_Sal |  
+-----+  
|      70000 |  
+-----+
```

1 row in set (0.00 sec)

```
mysql> select * from family f left join laptop l  
-> on f.id=l.l_id;
```

```
+-----+-----+-----+-----+-----+-----+  
| id | name  | age | salary | city  | lid | lmodel | l_id |  
+-----+-----+-----+-----+-----+-----+  
| 1  | arvi  | 29  | 50000  | pune  | 20  | hp     | 1    |  
| 2  | saif  | 22  | 70000  | delhi | 30  | apple  | 2    |  
| 3  | sandeep | 30  | 78555  | zarkhand | 40  | dell   | 3    |  
| 4  | prantik | 26  | 20000  | bengal | 10  | dell   | 4    |  
| 5  | rajiv  | 24  | 78435  | noida  | 50  | acer   | 5    |  
+-----+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> select name,city,lmodel from family f left join laptop l  
-> on l.l_id=f.id where lmodel='dell';
```

ERROR 1054 (42S22): Unknown column 'l.l_id' in 'on clause'

```
mysql> select name, city,lmodel from family f left join laptop l  
-> on f.id=l.l_id where lmodel='dell';
```

```
+-----+-----+-----+  
| name  | city  | lmodel |  
+-----+-----+-----+  
| prantik | bengal | dell   |  
| sandeep | zarkhand | dell   |  
+-----+-----+-----+
```

2 rows in set (0.00 sec)

mysql> _



Type here to search



MySQL 8.0 Command Line Client

```
mysql> select sum(salary) from family;
```

sum(salary)
296990

```
1 row in set (0.00 sec)
```

```
mysql> select avg(salary) from family;
```

avg(salary)
59398.0000

```
1 row in set (0.03 sec)
```

```
mysql> select count(*),age from family group by age;
```

count(*)	age
1	29
1	22
1	30
1	26
1	24

```
5 rows in set (0.00 sec)
```

```
mysql> select * from family where age in (22,30);
```

id	name	age	salary	city
2	saif	22	70000	delhi
3	sandeep	30	78555	zarkhand

```
2 rows in set (0.09 sec)
```

```
mysql> select * from family where name like 'd%';
```

MySQL 8.0 Command Line Client

```
mysql> select * from family f inner join laptop l
-> on f.id=l.l_id;
```

id	name	age	salary	city	lid	lmodel	l_id
1	arvi	29	50000	pune	20	hp	1
2	saif	22	70000	delhi	30	apple	2
3	sandeep	30	78555	zarkhand	40	dell	3
4	prantik	26	20000	bengal	10	dell	4
5	rajiv	24	78435	noida	50	acer	5

5 rows in set (0.00 sec)

```
mysql> select name,lmodel from family f left join laptop l
-> on f.id=l.l_id where lmodel!='dell';
```

name	lmodel
arvi	hp
saif	apple
rajiv	acer

3 rows in set (0.00 sec)

```
mysql> select distinct lmodel from laptop;
```

lmodel
dell
hp
apple
acer

4 rows in set (0.01 sec)

```
mysql> select name,city from family f left join laptop l
-> on f.id=l.l_id where city='pune' and age=29;
```

name	city
arvi	pune

1 row in set (0.00 sec)

mysql>



Type here to search



```
mysql> select name, lmodel from family f left join laptop l  
-> on f.id=l.l_id where name='prantik';
```

```
+-----+-----+  
| name  | lmodel |  
+-----+-----+  
| prantik | dell   |  
+-----+-----+  
1 row in set (0.10 sec)
```

```
mysql> select * from family limit 3;
```

```
+-----+-----+-----+-----+-----+  
| id | name  | age | salary | city  |  
+-----+-----+-----+-----+-----+  
| 1  | arvi  | 29  | 50000  | pune  |  
| 2  | saif  | 22  | 70000  | delhi |  
| 3  | sandeep | 30  | 78555  | zarkhand |  
+-----+-----+-----+-----+-----+  
3 rows in set (0.00 sec)
```

```
mysql> select name, age, salary, lmodel from family f left join  
-> laptop l on f.id=l.l_id where salary >= 70000;
```

```
+-----+-----+-----+-----+  
| name  | age | salary | lmodel |  
+-----+-----+-----+-----+  
| saif  | 22  | 70000  | apple  |  
| sandeep | 30  | 78555  | dell   |  
| rajiv  | 24  | 78435  | acer   |  
+-----+-----+-----+-----+  
3 rows in set (0.00 sec)
```

```
mysql> select * from family order by name desc;
```

```
+-----+-----+-----+-----+-----+  
| id | name  | age | salary | city  |  
+-----+-----+-----+-----+-----+  
| 3  | sandeep | 30  | 78555  | zarkhand |  
| 2  | saif  | 22  | 70000  | delhi |  
| 5  | rajiv  | 24  | 78435  | noida |  
| 4  | prantik | 26  | 20000  | bengal |  
| 1  | arvi  | 29  | 50000  | pune  |  
+-----+-----+-----+-----+-----+  
5 rows in set (0.14 sec)
```

```
mysql> _
```



Type here to search



23:39

06-05-2021



```
mysql> select name, age, lmodel from family f left join laptop l
-> on f.id=l.l_id where name like '___i';
```

```
+-----+-----+
| name | age | lmodel |
+-----+-----+
| arvi | 29 | hp      |
+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select count(*), lmodel from family f left join laptop l
-> on f.id=l.l_id group by lmodel;
```

```
+-----+-----+
| count(*) | lmodel |
+-----+-----+
|         1 | hp      |
|         1 | apple   |
|         2 | dell    |
|         1 | acer    |
+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> select count(*), name, lmodel from laptop l right join family f
-> on l.l_id=f.id group by name, lmodel;
```

```
+-----+-----+-----+
| count(*) | name   | lmodel |
+-----+-----+-----+
|         1 | arvi   | hp      |
|         1 | saif   | apple   |
|         1 | sandeep | dell    |
|         1 | prantik | dell    |
|         1 | rajiv  | acer    |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> select name, age, salary, lmodel from family f left join laptop l
-> on f.id=l.l_id where name like '%f';
```

```
+-----+-----+-----+-----+
| name | age | salary | lmodel |
+-----+-----+-----+-----+
| saif | 22 | 70000 | apple   |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> _
```



Type here to search



00:05

07-05-2021



MySQL 8.0 Command Line Client

```
mysql> select name, age, lmodel from family f left join laptop l  
-> on f.id=l.l_id where lmodel like 'a%';
```

```
+-----+-----+  
| name | age | lmodel |  
+-----+-----+  
| saif | 22 | apple |  
| rajiv | 24 | acer |  
+-----+-----+  
2 rows in set (0.00 sec)
```

```
mysql> select name, city, lmodel from family f left join laptop l  
-> on f.id=l.l_id where city like '_n%';  
Empty set (0.00 sec)
```

```
mysql> select name, city, lmodel from family f left join laptop l  
-> on f.id=l.l_id where city like '_u%';
```

```
+-----+-----+  
| name | city | lmodel |  
+-----+-----+  
| arvi | pune | hp |  
+-----+-----+  
1 row in set (0.00 sec)
```

```
mysql> select min(salary) as Minnum_Sal, name from family;
```

```
+-----+-----+  
| Minnum_Sal | name |  
+-----+-----+  
| 20000 | arvi |  
+-----+-----+  
1 row in set (0.00 sec)
```

```
mysql> select * from family where age>24;
```

```
+-----+-----+  
| id | name | age | salary | city |  
+-----+-----+  
| 1 | arvi | 29 | 50000 | pune |  
| 3 | sandeep | 30 | 78555 | zarkhand |  
| 4 | prantik | 26 | 20000 | bengal |  
+-----+-----+  
3 rows in set (0.02 sec)
```

```
mysql> select name from family where salary=(select min(salary) from family);
```

```
+-----+  
| name |  
+-----+  
| prantik |  
+-----+  
1 row in set (0.00 sec)
```

```
mysql>
```



00:21
07-05-2021

