

```
MariaDB [library]> show databases;
```

Database
college
company
information_schema
library
movie
mysql
orders
performance_schema
phpmyadmin
test

```
10 rows in set (0.002 sec)
```

```
MariaDB [library]> use college;
```

```
Database changed
```

```
MariaDB [college]> show tables;
```

Tables_in_college
class
iamarks
semsec
student
subject

```
5 rows in set (0.003 sec)
```

```
MariaDB [college]> desc class;
```

Field	Type	Null	Key	Default	Extra
usn	varchar(10)	NO	PRI	NULL	
ssid	varchar(5)	NO	PRI	NULL	

```
2 rows in set (0.268 sec)
```

```
MariaDB [college]> desc semsec;
```

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

Type here to search



MariaDB [college]> desc semsec;

Field	Type	Null	Key	Default	Extra
ssid	varchar(5)	NO	PRI	NULL	
sem	int(2)	YES		NULL	
sec	char(1)	YES		NULL	

3 rows in set (0.139 sec)

MariaDB [college]> desc student;

Field	Type	Null	Key	Default	Extra
usn	varchar(10)	NO	PRI	NULL	
sname	varchar(25)	YES		NULL	
adress	varchar(25)	YES		NULL	
phone	int(10)	YES		NULL	
gender	char(1)	YES		NULL	

5 rows in set (0.368 sec)

MariaDB [college]> desc subject;

Field	Type	Null	Key	Default	Extra
subcode	varchar(8)	NO	PRI	NULL	
title	varchar(20)	YES		NULL	
sem	int(2)	YES		NULL	
credits	int(2)	YES		NULL	

4 rows in set (0.180 sec)

MariaDB [college]> desc iamarks;

Field	Type	Null	Key	Default	Extra
usn	varchar(10)	NO	PRI	NULL	
subcode	varchar(8)	NO	PRI	NULL	
ssid	varchar(5)	NO	PRI	NULL	
test1	int(2)	YES		NULL	
test2	int(2)	YES		NULL	
test3	int(2)	YES		NULL	



```
MariaDB [college]> select * from class
```

usn	ssid
1RN13CS020	cse8a
1RN13CS062	cse8a
1RN13CS066	cse8b
1RN13CS091	cse8c
1RN14CS010	cse7a
1RN14CS025	cse7a
1RN14CS032	cse7a
1RN15CS011	cse4a
1RN15CS029	cse4a
1RN15CS045	cse4b
1RN15CS091	cse4c
1RN16CS045	cse3a
1RN16CS088	cse3b
1RN16CS122	cse3c

```
+-----+-----+
14 rows in set (0.010 sec)
```

```
MariaDB [college]> select*from semsec;
```

ssid	sem	sec
cse1a	1	a
cse1b	1	b
cse1c	1	c
cse2a	2	a
cse2b	2	b
cse2c	2	c
cse3a	3	a
cse3b	3	b
cse3c	3	c
cse4a	4	a
cse4b	4	b
cse4c	4	c
cse5a	5	a
cse5b	5	b
cse5c	5	c
cse6a	6	a
cse6b	6	b
cse6c	6	c



Type here to search

```
MariaDB [college]> select*from semsec;
```

ssid	sem	sec
cse1a	1	a
cse1b	1	b
cse1c	1	c
cse2a	2	a
cse2b	2	b
cse2c	2	c
cse3a	3	a
cse3b	3	b
cse3c	3	c
cse4a	4	a
cse4b	4	b
cse4c	4	c
cse5a	5	a
cse5b	5	b
cse5c	5	c
cse6a	6	a
cse6b	6	b
cse6c	6	c
cse7a	7	a
cse7b	7	b
cse7c	7	c
cse8a	8	a
cse8b	8	b
cse8c	8	c

```
24 rows in set (0.001 sec)
```

```
MariaDB [college]> _
```



MariaDB [college]> select \* from student;

usn	sname	adress	phone	gender
1RN13CS010	ABHAY	BANGALORE	2147483647	M
1RN13CS011	AJAY	TUMKUR	2147483647	M
1RN13CS012	VINAYAKA	CHIKAMAGALUR	2147483647	M
1RN13CS020	AKSHAY	BELAGAVI	2147483647	M
1RN13CS025	ASMI	BANGALORE	2147483647	F
1RN13CS029	CHITRA	DAVANGIRI	2147483647	F
1RN13CS032	BHASKER	BANGALORE	2147483647	M
1RN13CS045	JEEVA	BELLARY	2147483647	M
1RN13CS062	SANDHYA	BENGALORE	2147483647	F
1RN13CS066	SUPRIYA	MANGALORE	2147483647	F
1RN13CS088	SAMEERA	SHIMOGA	2147483647	F
1RN13CS091	TEESHA	BENGALORE	2147483647	F

12 rows in set (0.001 sec)

MariaDB [college]>



MariaDB [college]> select \* from subject;

subcode	title	sem	credits
10cs71	ooad	7	4
10cs72	ecs	7	4
10cs73	ptw	7	4
10cs74	dwdm	7	4
10cs75	java	7	4
10cs76	san	7	4
10cs81	aca	8	4
10cs82	ssm	8	4
10cs83	nm	8	4
10cs84	cc	8	4
10cs85	pw	8	4
15cs41	m4	4	4
15cs42	se	4	4
15cs43	daa	4	4
15cs51	me	5	4
15cs52	cn	5	4
15cs53	dbms	5	4
15cs54	atc	5	4
15cs55	adp	5	4
15cs56	up	5	4

20 rows in set (0.001 sec)

MariaDB [college]>



Type here to search



```
MariaDB [college]> select * from iamarks;
```

usn	subcode	ssid	test1	test2	test3	finalia
1RN13CS091	10cs81	cse8c	15	16	18	24
1RN13CS091	10cs82	cse8c	12	19	14	22
1RN13CS091	10cs83	cse8c	19	15	20	18
1RN13CS091	10cs84	cse8c	20	16	19	18
1RN13CS091	10cs85	cse8c	15	15	12	14

```
5 rows in set (0.013 sec)
```

```
mysql> select s.*,ss.sem,ss.sec  
-> from student s, semsec ss,class c  
-> where s.usn=c.usn and ss.ssid=c.ssid  
-> and ss.sem=4 and ss.sec='b';
```

USN	SNAME	PHONE	S_ADDRESS	GENDER	sem	sec
4NM17IS003	Charlotte	9578909	Udupi	F	4	B
4NM17IS004	Daniel	9816563	Manipal	M	4	B

2 rows in set (0.00 sec)



```
mysql> select ss.sem,ss.sec,s.gender,count(s.gender) as gender_count
-> from student s,semsec ss,class c
-> where s.usn=c.usn and ss.ssid=c.ssid
-> group by ss.sem,ss.sec,s.gender
-> order by ss.sem;
```

sem	sec	gender	gender_count
4	A	F	1
4	A	M	1
4	B	F	1
4	B	M	1
4	C	F	1
4	C	M	1
5	C	M	2

7 rows in set (0.00 sec)

```
MariaDB [college]> create view stu_test1_marks_view as  
-> select test1,subcode  
-> from iamarks  
-> where usn='1RN13CS091';  
Query OK, 0 rows affected (0.078 sec)
```

```
MariaDB [college]> select * from stu_test1_marks_view;
```

test1	subcode
15	10cs81
12	10cs82
19	10cs83
20	10cs84
15	10cs85

```
5 rows in set (0.003 sec)
```



```
mysql> select s.usn,s.name,ss.sem,ss.sec, ia.mse1,ia.mse2,ia.task,ia.total,
-> (
-> case
-> when ia.total between 41 and 50 then 'very good'
-> when ia.total between 30 and 40 then 'good'
-> else
-> 'average'
-> end
-> )as grade
-> from student s,semsec ss,msemarks ia
-> where s.usn=ia.usn and ss.ssid=ia.ssid and ss.sem=4 and ss.sec in('a','b','c');
ERROR 1054 (42S22): Unknown column 's.name' in 'field list'
mysql> select * from student;
```

USN	SNAME	PHONE	S_ADDRESS	GENDER
4NM16IS001	Viktor Nikiforov	757159	Manipal	M
4NM16IS002	Yuri	7876599	Manipal	M
4NM17IS001	Asher Reed	9876579	Mangalore	M
4NM17IS002	Bethany	9800577	Manipal	F
4NM17IS003	Charlotte	9578909	Udupi	F
4NM17IS004	Daniel	9816563	Manipal	M
4NM17IS005	Sam Cahill	8876579	Mangalore	M
4NM17IS006	Wren Martin	7876579	Udupi	F

8 rows in set (0.00 sec)