

```

mysql> use database;
ERROR 1049 (42000): Unknown database 'database'
mysql> create database simam;
Query OK, 1 row affected (0.00 sec)

mysql> use database;
ERROR 1049 (42000): Unknown database 'database'
mysql> use simam;
Database changed
mysql> select database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' a
t line 1
mysql> select database();
+-----+
| database() |
+-----+
| simam      |
+-----+
1 row in set (0.00 sec)

mysql> create table student(name varchar(20),reg_no int,gender varchar(67),DOB varchar(56),mobile_no int,city varchar(70));
Query OK, 0 rows affected (0.02 sec)

mysql> sow tables;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'sow
tables' at line 1
mysql> show tables;
+-----+
| Tables_in_simam |
+-----+
| student          |
+-----+
1 row in set (0.00 sec)

mysql> describe student;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| name  | varchar(20) | YES |  | NULL |  |
| reg_no | int | YES |  | NULL |  |
| gender | varchar(67) | YES |  | NULL |  |
| DOB   | varchar(56) | YES |  | NULL |  |
| mobile_no | int | YES |  | NULL |  |
| city  | varchar(70) | YES |  | NULL |  |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.01 sec)

mysql>

```

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

```
mysql> describe student;
```

Field	Type	Null	Key	Default	Extra
name	varchar(20)	YES		NULL	
reg_no	int	YES		NULL	
gender	varchar(67)	YES		NULL	
DOB	varchar(56)	YES		NULL	
mobile_no	int	YES		NULL	
city	varchar(70)	YES		NULL	

```
+-----+
6 rows in set (0.01 sec)
```

```
mysql> create table faculty(name varchar(100),fac_num int,gen varchar(7),dob varchar(20),doj varchar(20),mob_num int);
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> desc faculty;
```

Field	Type	Null	Key	Default	Extra
name	varchar(100)	YES		NULL	
fac_num	int	YES		NULL	
gen	varchar(7)	YES		NULL	
dob	varchar(20)	YES		NULL	
doj	varchar(20)	YES		NULL	
mob_num	int	YES		NULL	

```
+-----+
6 rows in set (0.00 sec)
```

```
mysql> create table department(dept_no int,dept
-> \c
```

```
mysql> create table department(dept_no int,dept_name varchar(80),dept_head varchar(56));
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> desc department;
```

Field	Type	Null	Key	Default	Extra
dept_no	int	YES		NULL	
dept_name	varchar(80)	YES		NULL	
dept_head	varchar(56)	YES		NULL	

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

```
mysql> _
```

```
-> \c
mysql> create table department(dept_no int,dept_name varchar(80),dept_head varchar(56));
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> desc department;
```

Field	Type	Null	Key	Default	Extra
dept_no	int	YES		NULL	
dept_name	varchar(80)	YES		NULL	
dept_head	varchar(56)	YES		NULL	

3 rows in set (0.00 sec)

```
mysql> create table course(course_no int,course_desc varchar(50),course_type varchar(100),sem_no int,hall_no int,fac_no int);
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> desc course;
```

Field	Type	Null	Key	Default	Extra
course_no	int	YES		NULL	
course_desc	varchar(50)	YES		NULL	
course_type	varchar(100)	YES		NULL	
sem_no	int	YES		NULL	
hall_no	int	YES		NULL	
fac_no	int	YES		NULL	

6 rows in set (0.01 sec)

```
mysql> alter table faculty add(dept_no varchar(4));
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc faculty;
```

Field	Type	Null	Key	Default	Extra
name	varchar(100)	YES		NULL	
fac_num	int	YES		NULL	
gen	varchar(7)	YES		NULL	
dob	varchar(20)	YES		NULL	
doj	varchar(20)	YES		NULL	
mob_num	int	YES		NULL	
dept_no	varchar(4)	YES		NULL	

7 rows in set (0.00 sec)

```
mysql> _
```

Field	Type	Null	Key	Default	Extra
name	varchar(100)	YES		NULL	
ac_num	int	NO	PRI	NULL	
en	varchar(7)	YES		NULL	
ob	varchar(20)	YES		NULL	
oj	varchar(20)	YES		NULL	
ob_num	int	YES		NULL	
ept_no	int	YES		NULL	

ows in set (0.00 sec)

```
q1> alter table department add primary key(dept_no);
ry OK, 0 rows affected (0.04 sec)
ords: 0 Duplicates: 0 Warnings: 0
```

```
q1> desc department;
```

Field	Type	Null	Key	Default	Extra
ept_no	int	NO	PRI	NULL	
ept_name	varchar(80)	YES		NULL	
ept_head	varchar(56)	YES		NULL	

ows in set (0.00 sec)

```
q1> alter table faculty add foreign key(dept_no)references department(dept_no));
OR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ')'
line 1
```

```
q1> alter table faculty add foreign key(dept_no)references department(dept_no);
ry OK, 0 rows affected (0.05 sec)
ords: 0 Duplicates: 0 Warnings: 0
```

```
q1> desc faculty;
```

Field	Type	Null	Key	Default	Extra
name	varchar(100)	YES		NULL	
ac_num	int	NO	PRI	NULL	
en	varchar(7)	YES		NULL	
ob	varchar(20)	YES		NULL	
oj	varchar(20)	YES		NULL	
ob_num	int	YES		NULL	
ept_no	int	YES	MUL	NULL	

ows in set (0.00 sec)

```
q1>
```



```

MySQL 8.0 Command Line Client - Unicode
n is ('m'or'f'))' at line 1
mysql> alter table faculty check(gen in ('m','f'));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '(ge
n in ('m','f'))' at line 1
mysql> alter table faculty modify check(gen in ('m','f'));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'che
ck(gen in ('m','f'))' at line 1
mysql> alter table faculty add check(gen='m'or'f');
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc faculty;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| name  | varchar(100) | YES |     | NULL |       |
| fac_num | int | NO | PRI | NULL |       |
| gen    | varchar(7) | YES |     | NULL |       |
| dob    | varchar(20) | YES |     | NULL |       |
| doj    | varchar(20) | YES |     | NULL |       |
| mob_num | int | YES |     | NULL |       |
| dept_no | int | YES | MUL | NULL |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> alter table course add primary key(course_no),(sem_no=1-6);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '(se
m_no=1-6)' at line 1
mysql> alter table course add primary key(course_no),(sem_no 1-6);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '(se
m_no 1-6)' at line 1
mysql> alter table course add primary key(course_no);
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc course;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| course_no | int | NO | PRI | NULL |       |
| course_desc | varchar(50) | YES |     | NULL |       |
| course_type | varchar(100) | YES |     | NULL |       |
| sem_no | int | YES |     | NULL |       |
| hall_no | int | YES |     | NULL |       |
| fac_no | int | YES |     | NULL |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> _

```

MySQL 8.0 Command Line Client - Unicode

7 rows in set (0.00 sec)

mysql> desc course;

Field	Type	Null	Key	Default	Extra
course_no	int	NO	PRI	NULL	
course_desc	varchar(50)	YES		NULL	
course_type	varchar(100)	YES		NULL	
sem_no	int	YES		NULL	
hall_no	int	YES		NULL	
fac_no	int	YES		NULL	

6 rows in set (0.00 sec)

mysql> alter table course add check(sem_no=1 to 6);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'to 6)' at line 1

mysql> alter table course add check(sem_no=1-6);

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc course;

Field	Type	Null	Key	Default	Extra
course_no	int	NO	PRI	NULL	
course_desc	varchar(50)	YES		NULL	
course_type	varchar(100)	YES		NULL	
sem_no	int	YES		NULL	
hall_no	int	YES		NULL	
fac_no	int	YES		NULL	

6 rows in set (0.00 sec)

mysql> select * from course;\

Empty set (0.00 sec)

mysql> select * from course;

Empty set (0.00 sec)

mysql>

Records: 2 Duplicates: 0 Warnings: 0

```
mysql> desc deparment;
ERROR 1146 (42S02): Table 'simam.deparment' doesn't exist
mysql> desc department;
```

Field	Type	Null	Key	Default	Extra
dept_no	int	NO	PRI	NULL	
dept_name	varchar(80)	YES		NULL	
dept_head	varchar(56)	YES		NULL	

3 rows in set (0.00 sec)

```
mysql> select*from department;
```

dept_no	dept_name	dept_head
23	maths	ganesh
24	english	sura

2 rows in set (0.00 sec)

```
mysql> select*from faculty;
Empty set (0.00 sec)
```

```
mysql> _
```


MySQL 8.0 Command Line Client

reg_no	int	NO	PRI	NULL		
gender	varchar(67)	YES		NULL		
DOB	varchar(56)	YES		NULL		
mobile_no	int	YES		NULL		
city	varchar(70)	YES		NULL		

6 rows in set (0.00 sec)

mysql> select * from student;

name	reg_no	gender	DOB	mobile_no	city
sarathi	192224047	m	20/07/2004	7770469	chennai

1 row in set (0.00 sec)

mysql> update student set (name='lakshmanan',reg_no=192225050,gender='m',DOB=13/4/2004,mobile_no=234567,city='karnodai');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '(name='lakshmanan',reg_no=192225050,gender='m',DOB=13/4/2004,mobile_no=234567,ci' at line 1

mysql> update student set (name='lakshmanan',reg_no=192225050,gender='m',DOB='13/4/2004',mobile_no=234567,city='karnodai');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '(name='lakshmanan',reg_no=192225050,gender='m',DOB='13/4/2004',mobile_no=234567,' at line 1

mysql>

mysql>

mysql> insert into student(name,reg_no,gender,dob,mobile_no,city)values('lakshmanan',192224055,'m','24/11/2004',123456,'karanodai');

Query OK, 1 row affected (0.00 sec)

mysql> select * from student;

name	reg_no	gender	DOB	mobile_no	city
sarathi	192224047	m	20/07/2004	7770469	chennai
lakshmanan	192224055	m	24/11/2004	123456	karanodai

2 rows in set (0.00 sec)

mysql> desc department;

Field	Type	Null	Key	Default	Extra
dept_no	int	NO	PRI	NULL	
dept_name	varchar(80)	YES		NULL	
dept_head	varchar(56)	YES		NULL	

3 rows in set (0.00 sec)

mysql> insert into department(dept_no,dept_name,dept_head)values(23,'maths','ganesh'),(24,'english','sura');

Query OK, 2 rows affected (0.00 sec)

Records: 2 Duplicates: 0 Warnings: 0

```
mysql> insert into faculty(name,fac_num,gen,dob,doj,mob_num,dept_no)values('sura',2,'m',23/11/1947,12/11/2006,1234776,24);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from faculty;
```

name	fac_num	gen	dob	doj	mob_num	dept_no
ganesh	1	m	0.001068425697496167	0.000543823075772681	1234556	23
sura	2	m	0.001073913246019517	0.000543823075772681	1234776	24

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

```
mysql>
```

ERROR 3819 (HY000): Check constraint 'course_chk_1' is violated.

mysql> insert into course(course_no,course_desc,course_type,sem_no,hall_no,fac_no)values(34,'maths','sums',1,234,1);

ERROR 3819 (HY000): Check constraint 'course_chk_1' is violated.

mysql> insert into course(course_no,course_desc,course_type,sem_no,hall_no,fac_no)values(21,'maths','analytical',1,234,12);

ERROR 3819 (HY000): Check constraint 'course_chk_1' is violated.

mysql> insert into course(course_no,course_desc,course_type,sem_no,hall_no,fac_no)values(34,'maths','sums',1,234,45);

ERROR 3819 (HY000): Check constraint 'course_chk_1' is violated.

mysql>

mysql> desc student;

Field	Type	Null	Key	Default	Extra
name	varchar(20)	YES		NULL	
reg_no	int	NO	PRI	NULL	
gender	varchar(67)	YES		NULL	
DOB	varchar(56)	YES		NULL	
mobile_no	int	YES		NULL	
city	varchar(70)	YES		NULL	

6 rows in set (0.00 sec)

mysql> update student set reg_no=191711342 where name='sarathi';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select*from student;

name	reg_no	gender	DOB	mobile_no	city
sarathi	191711342	m	20/07/2004	7770469	chennai
lakshmanan	192224055	m	24/11/2004	123456	karanodai

2 rows in set (0.00 sec)

mysql> _

MySQL 8.0 Command Line Client

```
mysql> update faculty set position=resigned where name=ganesh,position=unresigned&&name=sura;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ',position=unresigned&&name=sura' at line 1  
mysql> update faculty set position='resigned' where name='ganesh',position='unresigned'&&name='sura';  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ',position='unresigned'&&name='sura'' at line 1  
mysql> update faculty set position='resigned' where name='ganesh';  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> update faculty set position='unresigned' where name='sura';  
Query OK, 1 row affected (0.01 sec)  
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> desc faculty;
```

Field	Type	Null	Key	Default	Extra
name	varchar(100)	YES		NULL	
fac_num	int	NO	PRI	NULL	
gen	varchar(7)	YES		NULL	
dob	varchar(20)	YES		NULL	
doj	varchar(20)	YES		NULL	
mob_num	int	YES		NULL	
dept_no	int	YES	MUL	NULL	
position	varchar(23)	YES		NULL	
age	int	YES		NULL	

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

```
mysql> select*from faculty;
```

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
ganesh	1	m	0.001068425697496167	0.000543823075772681	1234556	23	resigned	NULL
sura	2	m	0.001073913246019517	0.000543823075772681	1234776	24	unresigned	NULL

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

```
mysql> delete from faculty where position='resigned';  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select*from faculty;
```

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
sura	2	m	0.001073913246019517	0.000543823075772681	1234776	24	unresigned	NULL

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

```
mysql> _
```

MySQL 8.0 Command Line Client

mysql> select*from faculty;

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
sura	2	m	0.001073913246019517	0.000543823075772681	1234776	24	unresigned	NULL

1 row in set (0.00 sec)

mysql> insert into faculty(nam,e,fac_num,gen,dob,doj,mob_num,dept_no,position,age)values('ram',3,'m',23/4/1987,23/5/2007,25,'unresigned',57);

ERROR 1054 (42S22): Unknown column 'nam' in 'field list'

mysql> insert into faculty(name,fac_num,gen,dob,doj,mob_num,dept_no,position,age)values('ram',3,'m',23/4/1987,23/5/2007,25,'unresigned',57);

ERROR 1136 (21S01): Column count doesn't match value count at row 1

mysql> update faculty set age=77 where name= 'ganesh';

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

mysql> update faculty set age=45 where name='sura';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select*from faculty;

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
sura	2	m	0.001073913246019517	0.000543823075772681	1234776	24	unresigned	45

1 row in set (0.00 sec)

mysql> insert into faculty(name,fac_num,gen,dob,doj,mob_num,dept_no,position,age)values('ram',4,'m','24/11/1987','12/11/2005',2345467,26,'unresigned',46);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`simam`.`faculty`, CONSTRAINT `faculty_ibfk_1` FOREIGN KEY (`dept_no`) REFERENCES `department` (`dept_no`))

mysql> insert into faculty(name,fac_num,gen,dob,doj,mob_num,dept_no,position,age)values('ram',4,'m','24/11/1987','12/11/2016',2345467,26,'unresigned',46);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`simam`.`faculty`, CONSTRAINT `faculty_ibfk_1` FOREIGN KEY (`dept_no`) REFERENCES `department` (`dept_no`))

mysql> insert into faculty(name,fac_num,gen,dob,doj,mob_num,dept_no,position,age)values('ram',4,'m','24/11/1987','12/11/2016',2345467,23,'unresigned',46);

Query OK, 1 row affected (0.00 sec)

mysql> update faculty set dob=1/5/1983 where name = 'ram';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select*from faculty;\

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
sura	2	m	0.001073913246019517	0.000543823075772681	1234776	24	unresigned	45
ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46

2 rows in set (0.00 sec)

mysql>

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```
mysql> update faculty set age=45 where name='sura';
```

```
Query OK, 1 row affected (0.01 sec)
```

```
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select*from faculty;
```

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
sura	2	m	0.001073913246019517	0.000543823075772681	1234776	24	unresigned	45

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

```
mysql> insert into faculty(name,fac_num,gen,dob,doj,mob_num,dept_no,position,age)values('ram',4,'m','24/11/1987','12/11/2005',2345467,26,'unresigned',46);
```

```
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`simam`.`faculty`, CONSTRAINT `faculty_ibfk_1` FOREIGN KEY (`dept_no`) REFERENCES `department` (`dept_no`))
```

```
mysql> insert into faculty(name,fac_num,gen,dob,doj,mob_num,dept_no,position,age)values('ram',4,'m','24/11/1987','12/11/2016',2345467,26,'unresigned',46);
```

```
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`simam`.`faculty`, CONSTRAINT `faculty_ibfk_1` FOREIGN KEY (`dept_no`) REFERENCES `department` (`dept_no`))
```

```
mysql> insert into faculty(name,fac_num,gen,dob,doj,mob_num,dept_no,position,age)values('ram',4,'m','24/11/1987','12/11/2016',2345467,23,'unresigned',46);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> update faculty set dob=1/5/1983 where name='ram';
```

```
Query OK, 1 row affected (0.00 sec)
```

```
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select*from faculty;\
```

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
sura	2	m	0.001073913246019517	0.000543823075772681	1234776	24	unresigned	45
ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46

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

```
mysql> update faculty set age=67 where age=45;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> delete from faculty where age>65;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select*from faculty;
```

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46

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

```
mysql>
```



```
mysql> select*from faculty;\
```

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
sura	2	m	0.001073913246019517	0.000543823075772681	1234776	24	unresigned	45
ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46

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

```
mysql> update faculty set age=67 where age=45;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> delete from faculty where age>65;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select*from faculty;
```

name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46

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

```
mysql> select* from student,faculty;
```

name	reg_no	gender	DOB	mobile_no	city	name	fac_num	gen	dob	doj	mob_num	dept_no	position	age
sarathi	191711342	m	20/07/2004	7770469	chennai	ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46
lakshmanan	192224055	m	24/11/2004	123456	karanodai	ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46

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

```
mysql> select * from student,faculty,department,course;
```

```
Empty set (0.00 sec)
```

```
mysql> select * from student,faculty,department;
```

name	reg_no	gender	DOB	mobile_no	city	name	fac_num	gen	dob	doj	mob_num	dept_no	position	age	dept_no	dept_name	dept_head
lakshmanan	192224055	m	24/11/2004	123456	karanodai	ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46	23	maths	ganesh
sarathi	191711342	m	20/07/2004	7770469	chennai	ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46	23	maths	ganesh
lakshmanan	192224055	m	24/11/2004	123456	karanodai	ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46	24	english	sura
sarathi	191711342	m	20/07/2004	7770469	chennai	ram	4	m	0.000100857286938981	12/11/2016	2345467	23	unresigned	46	24	english	sura

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

```
mysql> select
```

MySQL 8.0 Command Line Client - Unicode

fac_num	int	YES		NULL	
gen	varchar(7)	YES		NULL	
dob	varchar(20)	YES		NULL	
doj	varchar(20)	YES		NULL	
mob_num	int	YES		NULL	
dept_no	varchar(4)	YES		NULL	

7 rows in set (0.00 sec)

mysql> alter table student(primary key(reg_no));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '(primary key(reg_no))' at line 1

mysql> alter table student add(primary key(reg_no),mob_no int not null);

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student;

Field	Type	Null	Key	Default	Extra
name	varchar(20)	YES		NULL	
reg_no	int	NO	PRI	NULL	
gender	varchar(67)	YES		NULL	
DOB	varchar(56)	YES		NULL	
mobile_no	int	YES		NULL	
city	varchar(70)	YES		NULL	
mob_no	int	NO		NULL	

7 rows in set (0.00 sec)

mysql> alter table faculty add(foreign key(dept_no),reference department(dept_no),primary key(fac_num),gender check('m' or 'f'));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ',reference department(dept_no),primary key(fac_num),gender check('m' or 'f'))' at line 1

mysql> alter table faculty add(foreign key(dept_no) reference department(dept_no),primary key(fac_num),gender check('m' or 'f'));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'reference department(dept_no),primary key(fac_num),gender check('m' or 'f'))' at line 1

mysql> alter table faculty add(foreign key(dept_no)references department(dept_no),primary key(fac_num),gender check('m' or 'f'));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'check('m' or 'f'))' at line 1

mysql> alter table faculty add(foreign key(dept_no)references department(dept_no),primary key(fac_num),gender check('m' or 'f'));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'check('m' or 'f'))' at line 1

mysql> alter table faculty add(foreign key(dept_no)references department(dept_no),primary key(fac_num),gender check='m'or'f');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'check'm'or'f')' at line 1

mysql> alter table faculty add(foreign key(dept_no)references department(dept_no),primary key(fac_num),gender check='m'or'f');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'check='m'or'f')' at line 1

mysql> alter table faculty add(foreign key(dept_no)references department(dept_no),primary key(fac_num),check gender='m'or'f');