

```
mysql> create database reshushetty;
```

Query OK, 1 row affected (0.01 sec)

```
mysql> use reshushetty;
```

Database changed

```
mysql> create table department(departmentid int primary key,departmentname varchar(50));
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> create table students(studentid int primary key,studentname varchar(50),gender char(1)
check (gender in ('M','F')),departmentid int,foreign key(departmentid)references
department(departmentid));
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> create table teacher(teacherid int primary key,subjectname varchar(50),departmentid
int,foreign key(departmentid)references department(departmentid));
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> alter table students
```

```
-> add age int check (age>15));
```

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 ')' at line 2

```
mysql> add age int;
```

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 'add age int' at line 1

```
mysql> alter table students
```

```
-> add age int;
```

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> rename table students to studentsdata;
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> insert into studentsdata values(123456,'reshu','F',101,18);
```

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails  
(`reshushetty`.`studentsdata`, CONSTRAINT `studentsdata\_ibfk\_1` FOREIGN KEY (`departmentid`) REFERENCES `department` (`departmentid`))

```
mysql> select * from studentdata;
```

ERROR 1146 (42S02): Table 'reshushetty.studentdata' doesn't exist

```
mysql> select * from studentsdata;
```

Empty set (0.00 sec)

```
mysql> insert into department values(101,'cse')
```

```
-> (103,'ece')
```

```
-> (112,'csd')
```

```
-> (105,'eee');
```

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 '(103,'ece')  
(112,'csd')  
(105,'eee')' at line 2

```
mysql> insert into department values(101,'CSE');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into department values(102,'EEE');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into department values(103,'ECE');
```

Query OK, 1 row affected (0.01 sec)

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

```
+-----+-----+
```

```
| departmentid | departmentname |
```

```
+-----+-----+
```

```
|      101 | CSE          |
```

```
|      102 | EEE          |
```

```
|      103 | ECE          |
```

+-----+-----+

3 rows in set (0.00 sec)

```
mysql> insert into studentsdata(123654,'reshu','F',101,18);
```

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 '123654,'reshu','F',101,18)' at line 1

```
mysql> insert into studentsdata(123654,'reshu','F',101);
```

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 '123654,'reshu','F',101)' at line 1

```
mysql> insert into studentsdata(123654,'reshu','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 '123654,'reshu','F)' at line 1

```
mysql> insert into
```

```
studentsdata(studentid,studentname,gender,departmentid,age)values(1236,'reshu','F',101,18);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into
```

```
studentsdata(studentid,studentname,gender,departmentid,age)values(1336,'viha','F',101,18);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into
```

```
studentsdata(studentid,studentname,gender,departmentid,age)values(1436,'vinnu','M',102,19);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into
```

```
studentsdata(studentid,studentname,gender,departmentid,age)values(1006,'aadhya','F',102,19);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into
```

```
studentsdata(studentid,studentname,gender,departmentid,age)values(1526,'riya','F',103,19);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into
```

```
studentsdata(studentid,studentname,gender,departmentid,age)values(1527,'ram','M',103,20);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from studentsdata;
```

studentid	studentname	gender	departmentid	age
1006	aadhya	F	102	19
1236	reshu	F	101	18
1336	viha	F	101	18
1436	vinnu	M	102	19
1526	riya	F	103	19
1527	ram	M	103	20

6 rows in set (0.00 sec)

```
mysql> select * from studentsdata
```

```
-> where age >18;
```

studentid	studentname	gender	departmentid	age
1006	aadhya	F	102	19
1436	vinnu	M	102	19
1526	riya	F	103	19
1527	ram	M	103	20

4 rows in set (0.00 sec)

```
mysql> select gender from studentsdata
```

```
-> where gender='M';
```

gender
--------

```
+-----+
```

```
| M      |
```

```
| M      |
```

```
+-----+
```

2 rows in set (0.00 sec)

```
mysql> insert into teacher(techerid,subjectname,departmentid)values(528,'java',101);
```

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

```
mysql> insert into teacher(teacherid,subjectname,departmentid)values(528,'java',101);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into teacher(teacherid,subjectname,departmentid)values(128,'c',101);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into teacher(teacherid,subjectname,departmentid)values(144,'bio',103);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into teacher(teacherid,subjectname,departmentid)values(145,'chem',103);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into teacher(teacherid,subjectname,departmentid)values(174,'python',102);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from teacher;
```

```
+-----+-----+-----+
```

```
| teacherid | subjectname | departmentid |
```

```
+-----+-----+-----+
```

```
| 128 | c      | 101 |
```

```
| 144 | bio    | 103 |
```

```
| 145 | chem   | 103 |
```

```
| 174 | python | 102 |
```

528	java	101
-----	------	-----

5 rows in set (0.00 sec)

mysql> select \* from teacher

-> order by teacherid desc;

teacherid	subjectname	departmentid
528	java	101
174	python	102
145	chem	103
144	bio	103
128	c	101

5 rows in set (0.00 sec)

mysql> select \* from teacher

-> where departmentid = 101;

teacherid	subjectname	departmentid
128	c	101
528	java	101

2 rows in set (0.00 sec)

mysql> select \* from studentsdata

-> where studentname like 'r%';

studentid	studentname	gender	departmentid	age
-----------	-------------	--------	--------------	-----

```

+-----+-----+-----+-----+
| 1236 | reshun | F | 101 | 18 |
| 1526 | riya | F | 103 | 19 |
| 1527 | ram | M | 103 | 20 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

```
mysql> update teacher
```

```
-> set subjectname='c++'
```

```
-> where teacherid=128;
```

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

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

```
mysql> select * from teacher;
```

```

+-----+-----+-----+
| teacherid | subjectname | departmentid |
+-----+-----+-----+
| 128 | c++ | 101 |
| 144 | bio | 103 |
| 145 | chem | 103 |
| 174 | python | 102 |
| 528 | java | 101 |
+-----+-----+-----+
5 rows in set (0.00 sec)

```

```
mysql> delete from studentsdata
```

```
-> where age= 18 AND studentid=1236;
```

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

```
mysql> select * from studentsdata;
```

```

+-----+-----+-----+-----+

```

| studentid | studentname | gender | departmentid | age |

+-----+-----+-----+-----+-----+

| 1006 | aadhya | F | 102 | 19 |

| 1336 | viha | F | 101 | 18 |

| 1436 | vinnu | M | 102 | 19 |

| 1526 | riya | F | 103 | 19 |

| 1527 | ram | M | 103 | 20 |

+-----+-----+-----+-----+-----+

5 rows in set (0.00 sec)

mysql> select min(age) from studentsdata

-> where gender='F';

+-----+

| min(age) |

+-----+

| 18 |

+-----+

1 row in set (0.01 sec)

mysql> select count(\*) as records

-> from teacher

-> order by teacherid;

+-----+

| records |

+-----+

| 5 |

+-----+

1 row in set (0.00 sec)

mysql> select max(age) as maximum, studentid

-> from studentsdata



-> groupby studentid;

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 'studentid' at line 3

mysql> select max(age) as maximum,studentid

-> from studentsdata

-> group by studentid;

```
+-----+-----+
| maximum | studentid |
+-----+-----+
|    19   |    1006   |
|    18   |    1336   |
|    19   |    1436   |
|    19   |    1526   |
|    20   |    1527   |
+-----+-----+
```

5 rows in set (0.00 sec)

mysql> select sum(studentid)

-> from studentsdata;

```
+-----+
| sum(studentid) |
+-----+
|         6831   |
+-----+
```

1 row in set (0.00 sec)

mysql> select avg(departmentid)as average,departmentname

-> from department

-> group by departmentname

-> where studentid>1006;

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 'where studentid>1006' at line 4

```
mysql> select avg(departmentid) as department
```

```
-> select avg(departmentid) as department,departmentname
```

```
-> from department
```

```
-> group by departmentname;
```

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 'select avg(departmentid) as department,departmentname

from department

group by d' at line 2

```
mysql> select avg(departmentid)from department;
```

```
+-----+
```

```
| avg(departmentid) |
```

```
+-----+
```

```
|      102.0000 |
```

```
+-----+
```

1 row in set (0.00 sec)

```
mysql> select departmentid,departmentname
```

```
-> from department
```

```
-> inner join studentsdata on department.departmentid=studentsdata.departmentid;
```

ERROR 1052 (23000): Column 'departmentid' in field list is ambiguous

```
mysql> select departmentid,departmentname
```

```
-> from department
```

```
-> inner join studentsdata on department.departmentid=studentsdata.studentid;
```

ERROR 1052 (23000): Column 'departmentid' in field list is ambiguous

```
mysql> inner join studentsdata on department.departmentname=studentsdata.studentid;
```

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 'inner join studentsdata on department.departmentname=studentsdata.studentid' at line 1

```
mysql> select teacherid,subjectname,departmentid
```

```
-> from teacher
```

```
-> inner join department on teacher.teacherid=department.departmentname;
```

ERROR 1052 (23000): Column 'departmentid' in field list is ambiguous

```
mysql> select studentid,studentname,departmentid
```

```
-> from studentsdata
```

```
-> inner join department on studentsdata.departmentid=department.departmentid;
```

ERROR 1052 (23000): Column 'departmentid' in field list is ambiguous

```
mysql> select s.studentname,s.studentid,d.departmentname
```

```
-> from studentsdata s
```

```
-> inner join department d on s.departmentid=d.departmentid;
```

```
+-----+-----+-----+
```

```
| studentname | studentid | departmentname |
```

```
+-----+-----+-----+
```

```
| viha      | 1336 | CSE      |
```

```
| aadhya    | 1006 | EEE      |
```

```
| vinnu     | 1436 | EEE      |
```

```
| riya      | 1526 | ECE      |
```

```
| ram       | 1527 | ECE      |
```

```
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> select s.studentname,s.studentid,d.departmentname
```

```
-> from studentsdata s
```

```
-> left join department d on s.departmentid=d.departmentid;
```

```
+-----+-----+-----+
```

```
| studentname | studentid | departmentname |
```

```
+-----+-----+-----+
```

```
| aadhya    | 1006 | EEE      |
```

```
| viha      | 1336 | CSE      |
```

```
| vinnu     | 1436 | EEE      |
```

```
| riya      | 1526 | ECE      |
```

```
| ram       | 1527 | ECE      |
```

```
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> select t.teacherid,d.departmentname,t.subjectname
```

```
-> from teacher t
```

```
-> right join department d on t.departmentid=d.departmentid;
```

```
+-----+-----+-----+
| teacherid | departmentname | subjectname |
+-----+-----+-----+
| 128 | CSE | c++ |
| 528 | CSE | java |
| 174 | EEE | python |
| 144 | ECE | bio |
| 145 | ECE | chem |
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> select t.teacherid,t.subjectname,d.departmentname
```

```
-> from teacher t
```

```
-> outer join department d on t.teacherid=d.departmentname;
```

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 'outer join department d on t.teacherid=d.departmentname' at line 3

```
mysql> select t.teacherid,s.studentid,t.subjectname
```

```
-> from teacher t
```

```
-> outer join student s on t.teacherid=s.studentid;
```

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 'outer join student s on t.teacherid=s.studentid' at line 3

```
mysql> select t.teacherid,t.teachername,d.departmentname
```

```
-> from teacher t
```

```
-> outer join department d on t.departmentid=d.departmentid;
```

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 'outer join department d on t.departmentid=d.departmentid' at line 3

```
mysql> select t.teacherid,t.subjectname,d.departmentname
```

```
-> from teacher t
```

```
-> outer join department d on t.departmentid=d.departmentid;
```

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 'outer join department d on t.departmentid=d.departmentid' at line 3

```
mysql> grant select on studentsdata to riya ;
```

ERROR 1410 (42000): You are not allowed to create a user with GRANT

```
mysql> revoke select on studentsdata from riya;
```

ERROR 1147 (42000): There is no such grant defined for user 'riya' on host '%' on table 'studentsdata'

```
mysql> grant insert on teacher to python;
```

ERROR 1410 (42000): You are not allowed to create a user with GRANT

```
mysql> commit;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> rollback;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> savepoint;
```

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 "" at line 1

```
mysql> drop table teacher;
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> select * from teacher;
```

ERROR 1146 (42S02): Table 'reshushetty.teacher' doesn't exist

```
mysql> rollback;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> truncate table teacher;
```

ERROR 1146 (42S02): Table 'reshushetty.teacher' doesn't exist

```
mysql> truncate table studentsdata;
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> show tables;
```

```
+-----+
```

```
| Tables_in_reshushetty |
```

```
+-----+
```

```
| department      |
```

```
| studentsdata    |
```

```
+-----+
```

2 rows in set (0.01 sec)

```
mysql> insert into
```

```
studentsdata(studentid,studentname,gender,departmentid,age)values(,'diya','F',101,18)
```

```
-> commit;
```

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 ','diya','F',101,18)

commit' at line 1

```
mysql> insert into
```

```
studentsdata(studentid,studentname,gender,departmentid,age)values(,'diya','F',101,18)
```

```
-> insert into
```

```
studentsdata(studentid,studentname,gender,departmentid,age)values(,'diya','F',101,18);
```

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 ','diya','F',101,18)

insert into studentsdata(studentid,studentname,gender,depart' at line 1

```
mysql> show tables;
```

```
+-----+
```

```
| Tables_in_reshushetty |
```

```
+-----+
```

```
| department      |
```

```
| studentsdata    |
```

```
+-----+
```

2 rows in set (0.00 sec)

```
mysql> create view department as select departmentid from department;
```

ERROR 1050 (42S01): Table 'department' already exists

```
mysql> create view departmentview as select departmentid from department;
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> select * from departmentview;
```

departmentid
101
102
103

3 rows in set (0.01 sec)

```
mysql> alter view departmentview as
```

```
-> select departmentname
```

```
-> from department
```

```
-> where departmentname="ECE";
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> select * from departmentview;
```

departmentname
ECE

1 row in set (0.01 sec)

```
mysql> select upper (studentid) from studentsdetails;
```

```
+-----+
| upper (studentid) |
+-----+
| 1236              |
| 1235              |
| 1237              |
+-----+
```

```
3 rows in set (0.01 sec)
```

```
mysql> select UPPER(studentid) from studentsdetails;
```

```
+-----+
| UPPER(studentid) |
+-----+
| 1236              |
| 1235              |
| 1237              |
+-----+
```

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

```
mysql> select UPPER(studentname)as studentname from studentsdetails;
```

```
+-----+
| studentname |
+-----+
| RESHU      |
| RIYA       |
| RAM        |
+-----+
```

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

```
mysql> select lower(studentname) as studentname from studentsdetails;
```



```

+-----+
| studentname |
+-----+
| reshu      |
| riya       |
| ram        |
+-----+
3 rows in set (0.00 sec)

```

```
mysql> select concat (reshu,shetty) as reshu from studentsdetails;
```

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

```
mysql> select concat (student,name) as studentname from studentsdetails;
```

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

```
mysql> select concat (studentname,studentid) as studentname from studentsdetails;
```

```

+-----+
| studentname |
+-----+
| reshu1235   |
| riya1236    |
| ram1237     |
+-----+
3 rows in set (0.00 sec)

```

```
mysql> select LENGTH (marks) from studentsdetails;
```

```

+-----+
| LENGTH (marks) |
+-----+
|          2     |
|          2     |
|          1     |
|          2     |

```

	2	
--	---	--

	2	
--	---	--

+-----+

6 rows in set (0.01 sec)

```
mysql> select trim (studentname) as name from studentsdetails;
```

ERROR 1630 (42000): FUNCTION reshushetty.trim does not exist. Check the 'Function Name Parsing and Resolution' section in the Reference Manual

```
mysql> select trim(studentname) from studentsdetails;
```

+-----+

trim(studentname)
-------------------

+-----+

riya	
------	--

reshu	
-------	--

jin	
-----	--

reshu	
-------	--

riya	
------	--

ram	
-----	--

+-----+

6 rows in set (0.00 sec)

```
mysql> select substring(studentname,marks)from studentsdetails;
```

+-----+

substring(studentname,marks)
------------------------------

+-----+

--	--

--	--

--	--

--	--

--	--

--	--

```
+-----+
```

6 rows in set (0.00 sec)

```
mysql> select substring(studentname,1,3) from studentsdetails;
```

```
+-----+
```

```
| substring(studentname,1,3) |
```

```
+-----+
```

```
| riy          |
```

```
| res          |
```

```
| jin          |
```

```
| res          |
```

```
| riy          |
```

```
| ram          |
```

```
+-----+
```

6 rows in set (0.00 sec)

```
mysql> select cast(marks as char);
```

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

```
mysql> select cast(marks as char) from studentsdetails;
```

```
+-----+
```

```
| cast(marks as char) |
```

```
+-----+
```

```
| 96              |
```

```
| 90              |
```

```
| 0               |
```

```
| 90              |
```

```
| 90              |
```

```
| 75              |
```

```
+-----+
```

6 rows in set (0.00 sec)

```
mysql> select convert(marks,char)from studentsdetails;
```

```
+-----+
| convert(marks,char) |
+-----+
| 96          |
| 90          |
| 0           |
| 90          |
| 90          |
| 75          |
+-----+
```

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

```
mysql> select round(10)from studentsdetails;
```

```
+-----+
| round(10) |
+-----+
|    10 |
|    10 |
|    10 |
|    10 |
|    10 |
|    10 |
+-----+
```

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

```
mysql> select abs(-8)from studentsdetails;
```

```
+-----+
| abs(-8) |
+-----+
|    8 |
+-----+
```

8
---

8
---

8
---

8
---

8
---

--

6 rows in set (0.01 sec)

mysql> select floor(7.3)from studentsdetails;

--

floor(7.3)
------------

--

7
---

7
---

7
---

7
---

7
---

7
---

--

6 rows in set (0.01 sec)

mysql> select ceiling(avg(marks)) from studentsdetails;

--

ceiling(avg(marks))
---------------------

--

74
----

--

1 row in set (0.01 sec)

mysql> select now() ;

--

```
| now() |
+-----+
| 2026-01-09 17:12:20 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select curdate();
+-----+
| curdate() |
+-----+
| 2026-01-09 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select datediff(curdate,'29-11-2025');
ERROR 1054 (42S22): Unknown column 'curdate' in 'field list'
mysql> select datediff(curdate(),'29-11-2025');
+-----+
| datediff(curdate(),'29-11-2025') |
+-----+
| NULL |
+-----+
1 row in set, 1 warning (0.00 sec)
```

```
mysql> select year(now());
+-----+
| year(now()) |
+-----+
| 2026 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select month(curdate());
```

```
+-----+  
| month(curdate()) |  
+-----+  
|          1 |  
+-----+
```

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

```
mysql> DELIMITER //
```

```
mysql> create function studentgrade(marks int)
```

```
-> RETURNS varchar(2)  
-> deterministic  
-> begin  
-> declare g varchar(2);  
-> if marks >=90 then set g='A';  
-> else  
-> set g='B';  
-> end if;  
-> RETURN g;  
-> end;  
-> //
```

```
ERROR 1304 (42000): FUNCTION studentgrade already exists
```

```
mysql> DELIMITER //
```

```
mysql> create function studentsgrade(marks int)
```

```
-> RETURNS varchar(2)  
-> deterministic  
-> begin  
-> declare g varchar(2);  
-> if marks >=90 then  
-> set g='A';
```

```

-> else
-> set g='B';
-> end if;
-> RETURN g;
-> end;
-> //

```

Query OK, 0 rows affected (0.02 sec)

```
mysql> select studentid,marks,studentgrade(marks) from studentsdetails;
```

```

->
-> select studentid,marks,studentgrade(marks)
-> from studentsdetails;
-> //;

```

```

+-----+-----+-----+
| studentid | marks | studentgrade(marks) |
+-----+-----+-----+
| 1235 | 90 | A |
| 1236 | 90 | A |
| 1237 | 75 | B |
+-----+-----+-----+

```

3 rows in set (0.00 sec)

```

+-----+-----+-----+
| studentid | marks | studentgrade(marks) |
+-----+-----+-----+
| 1235 | 90 | A |
| 1236 | 90 | A |
| 1237 | 75 | B |
+-----+-----+-----+

```

3 rows in set (0.03 sec)



```
mysql> DELIMITER //
```

```
mysql> create procedure studentget(dept int)
```

```
-> begin
```

```
-> select studentname,departmentid
```

```
-> from studentsdetails
```

```
-> where departmentid=dept;
```

```
-> end;
```

```
-> //
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> call studentget(102);
```

```
-> //;
```

```
+-----+-----+
```

```
| studentname | departmentid |
```

```
+-----+-----+
```

```
| reshu      |      102 |
```

```
| ram        |      102 |
```

```
+-----+-----+
```

2 rows in set (0.01 sec)

Query OK, 0 rows affected (0.02 sec)

```
mysql> use reshushetty;
```

Database changed

```
mysql> DELIMITER //
```

```
mysql> create trigger studtrigger
```

```
-> before insert
```

```
-> on studentsdetails
```

```
-> for each row
```

```
-> begin
```

```
-> if new.marks<35 then
```

```
-> set new.marks=0;
```

```
-> end if;
```

```
-> end;
```

```
-> //
```

Query OK, 0 rows affected (0.12 sec)

```
mysql> insert into studentsdetails values(153,"jin",'M',102,15,32);
```

```
-> //
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from studentsdetails;
```

```
-> //
```

```
+-----+-----+-----+-----+-----+
| studentid | studentname | gender | departmentid | age | marks |
+-----+-----+-----+-----+-----+
| 111 | riya | F | 102 | 14 | 90 |
| 123 | reshul | F | 102 | 15 | 90 |
| 153 | jin | M | 102 | 15 | 0 |
| 1235 | reshul | F | 102 | 18 | 90 |
| 1236 | riya | F | 101 | 18 | 90 |
| 1237 | ram | M | 102 | 19 | 75 |
+-----+-----+-----+-----+-----+
```

6 rows in set (0.00 sec)

```
mysql> DELIMITER //
```

```
mysql> create trigger new_trigger
```

```
-> after insert
```

```
-> on studentsdetails
```

```
-> for each row
```

```
-> begin
```

```
-> insert into studentsdetails(marks,action)
```

```
-> values(new.marks,'insert');
```

```
-> end;
```

-> //

Query OK, 0 rows affected (0.03 sec)

mysql> select \* from studentsdetails;

-> //

studentid	studentname	gender	departmentid	age	marks
111	riya	F	102	14	90
123	reshu	F	102	15	90
153	jin	M	102	15	0
1235	reshu	F	102	18	90
1236	riya	F	101	18	90
1237	ram	M	102	19	75

6 rows in set (0.01 sec)

mysql> update studentsdetails

-> set marks=96

-> where studentid=111;

-> //

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from studentsdetails;

-> //

studentid	studentname	gender	departmentid	age	marks
111	riya	F	102	14	96
123	reshu	F	102	15	90
153	jin	M	102	15	0

	1235		reshu			F			102		18		90	
	1236		riya			F			101		18		90	
	1237		ram			M			102		19		75	
+-----+-----+-----+-----+-----+-----+														

6 rows in set (0.00 sec)

mysql