```
mysql> create database mounika;

Query OK, 1 row affected (0.01 sec)


mysql> use mounika;

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 | reshu     | 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 derpartment 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 derpartment 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 | 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> 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
```