

Experiment: 3

```
mysql> create table student(rollno int, name char(50), address char (60));
```

Query OK, 0 rows affected (0.14 sec)

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
rollno	int	YES		NULL	
name	char(50)	YES		NULL	
address	char(60)	YES		NULL	

3 rows in set (0.04 sec)

```
mysql> insert into student(rollno,name,address)values (26,'shrushti','sangli');
```

Query OK, 1 row affected (0.01 sec)

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

rollno	name	address
26	shrushti	sangli

1 row in set (0.00 sec)

```
mysql> insert into student(rollno,name,address)values (27,'shradha','pune');
```

Query OK, 1 row affected (0.01 sec)

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

rollno	name	address
26	shrushti	sangli

```
| 27 | shradha | pune |
+-----+-----+-----+
```

2 rows in set (0.00 sec)

mysql> insert into student(rollno,name,address)values (28,'sakshi','kolhapur');

Query OK, 1 row affected (0.00 sec)

mysql> select * from student;

```
+-----+-----+-----+
| rollno | name   | address |
+-----+-----+-----+
| 26 | shrushti | sangli |
| 27 | shradha | pune   |
| 28 | sakshi  | kolhapur |
+-----+-----+-----+
```

3 rows in set (0.00 sec)

mysql> update student set name="madhura" where name='sakshi';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from student;

```
+-----+-----+-----+
| rollno | name   | address |
+-----+-----+-----+
| 26 | shrushti | sangli |
| 27 | shradha | pune   |
| 28 | madhura | kolhapur |
+-----+-----+-----+
```

3 rows in set (0.00 sec)

mysql> alter table student add Age int;

Query OK, 0 rows affected (0.12 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student;

Field	Type	Null	Key	Default	Extra
rollno	int	YES		NULL	
name	char(50)	YES		NULL	
address	char(60)	YES		NULL	
Age	int	YES		NULL	

4 rows in set (0.01 sec)

mysql> update student set age=19 where name='madhura';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from student;

rollno	name	address	Age
26	shrushti	sangli	NULL
27	shradha	pune	NULL
28	madhura	kolhapur	19

3 rows in set (0.00 sec)

mysql> update student set age=20 where name='shradha';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update student set age=14 where name='shrushti';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from student;

rollno	name	address	Age
--------	------	---------	-----

rollno	name	address	Age
26	shrushti	sangli	14
27	shradha	pune	20
28	madhura	kolhapur	19

3 rows in set (0.00 sec)

mysql> alter table student modify column address char(80);

Query OK, 3 rows affected (0.10 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> desc student;

Field	Type	Null	Key	Default	Extra
rollno	int	YES		NULL	
name	char(50)	YES		NULL	
address	char(80)	YES		NULL	
Age	int	YES		NULL	

4 rows in set (0.00 sec)

mysql> alter table student rename column name to firstname;

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student;

Field	Type	Null	Key	Default	Extra
rollno	int	YES		NULL	
firstname	char(50)	YES		NULL	
address	char(80)	YES		NULL	
Age	int	YES		NULL	

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

4 rows in set (0.00 sec)

mysql> alter table student drop column age;

Query OK, 0 rows affected (0.11 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student;

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

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

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

rollno	int	YES		NULL	
--------	-----	-----	--	------	--

firstname	char(50)	YES		NULL	
-----------	----------	-----	--	------	--

address	char(80)	YES		NULL	
---------	----------	-----	--	------	--

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

3 rows in set (0.00 sec)

mysql> select * from student;

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

rollno	firstname	address
--------	-----------	---------

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

26	shrushti	sangli
----	----------	--------

27	shradha	pune
----	---------	------

28	madhura	kolhapur
----	---------	----------

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

3 rows in set (0.00 sec)

Experiment: 4

mysql> create table department(deptno int,name varchar(50), address varchar(50));

Query OK, 0 rows affected (0.04 sec)

mysql> insert into department(deptno,name,address)values(1234,'computer science','kolhapur');

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into department(deptno,name,address)values(3214,'physics','mumbai');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into department(deptno,name,address)values(1357,'electronics','pune');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into department(deptno,name,address)values(8765,'finance','sangli');
```

Query OK, 1 row affected (0.01 sec)

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

deptno	name	address
1234	computer science	kolhapur
3214	physics	mumbai
1357	electronics	pune
8765	finance	sangli

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

4 rows in set (0.01 sec)

```
mysql> select deptno ,name from department;
```

deptno	name
1234	computer science
3214	physics
1357	electronics
8765	finance

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

4 rows in set (0.00 sec)

```
mysql> insert into department(deptno,name,address)values(2143,'mathamatics','satara');
```

Query OK, 1 row affected (0.01 sec)

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

```

+-----+-----+-----+
| deptno | name          | address |
+-----+-----+-----+
| 1234 | computer science | kolhapur |
| 3214 | physics         | mumbai  |
| 1357 | electronics     | pune    |
| 8765 | finance         | sangli  |
| 2143 | mathamatics     | satara  |
+-----+-----+-----+

```

5 rows in set (0.00 sec)

mysql> update department set deptno=7654 where deptno=1234;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from department;

```

+-----+-----+-----+
| deptno | name          | address |
+-----+-----+-----+
| 7654 | computer science | kolhapur |
| 3214 | physics         | mumbai  |
| 1357 | electronics     | pune    |
| 8765 | finance         | sangli  |
| 2143 | mathamatics     | satara  |
+-----+-----+-----+

```

5 rows in set (0.00 sec)

mysql> delete from department where deptno=1357;

Query OK, 1 row affected (0.01 sec)

mysql> select * from department;

```

+-----+-----+-----+
| deptno | name          | address |
+-----+-----+-----+
| 7654 | computer science | kolhapur |

```

3214	physics	mumbai
8765	finance	sangli
2143	mathamatics	satara

4 rows in set (0.00 sec)

Experiment: 5

#notnull

```
mysql> create table persons(id int NOT NULL,lastname varchar(255)NOT NULL,firstname
varchar(255)NOT NULL,age int);
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> desc persons;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
lastname	varchar(255)	NO		NULL	
firstname	varchar(255)	NO		NULL	
age	int	YES		NULL	

4 rows in set (0.01 sec)

#unique

```
mysql> create table persons1(id int NOT NULL,lastname varchar(255)NOT NULL,firstname
varchar(255)NOT NULL,age int);
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> desc persons1;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
lastname	varchar(255)	NO		NULL	
firstname	varchar(255)	NO		NULL	

age	int	YES	NULL		
4 rows in set (0.00 sec)					

#primarykey

```
mysql> create table persons2(id int NOT NULL primary key,lastname varchar(255)NOT NULL,firstname varchar(255)NOT NULL,age int);
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> desc persons2;
```

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
lastname	varchar(255)	NO		NULL	
firstname	varchar(255)	NO		NULL	
age	int	YES		NULL	
4 rows in set (0.01 sec)					

#check

```
mysql> create table persons3(id int NOT NULL,lastname varchar(255)NOT NULL,firstname varchar(255),age int check(age >= 18));
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> desc persons3;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
lastname	varchar(255)	NO		NULL	
firstname	varchar(255)	YES		NULL	
age	int	YES		NULL	
4 rows in set (0.01 sec)					

#default

```
mysql> create table persons4(id int NOT NULL,lastname varchar(255)NOT NULL,firstname  
varchar(255),age int, city varchar(255) default 'sandnes');
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> desc persons4;
```

Field	Type	Null	Key	Default	Extra
id	int	NO		NULL	
lastname	varchar(255)	NO		NULL	
firstname	varchar(255)	YES		NULL	
age	int	YES		NULL	
city	varchar(255)	YES		sandnes	

5 rows in set (0.01 sec)

Experiment:6

#on delete cascade

```
mysql> create table employes
```

```
-> (
```

```
-> empid int primary key,
```

```
-> name varchar(50));
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> create table salarie(
```

```
-> salaryid int primary key,
```

```
-> empid int,
```

```
-> salary decimal(10.2),
```

```
-> foreign key(empid)references employes(empid)on delete cascade);
```

Query OK, 0 rows affected (0.06 sec)

```
mysql> insert into employes values (1,'john'),(2,'riya'),(3,'divya');
```

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from employes;

```
+-----+-----+
| empid | name |
+-----+-----+
| 1 | john |
| 2 | riya |
| 3 | divya |
+-----+-----+
```

3 rows in set (0.00 sec)

mysql> insert into salarie values (11,1,40000),(12,2,45000),(13,3,50000);

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from salarie;

```
+-----+-----+-----+
| salaryid | empid | salary |
+-----+-----+-----+
| 11 | 1 | 40000 |
| 12 | 2 | 45000 |
| 13 | 3 | 50000 |
+-----+-----+-----+
```

3 rows in set (0.00 sec)

mysql> delete from employes where empid=1;

Query OK, 1 row affected (0.01 sec)

mysql> select * from salarie;

```
+-----+-----+-----+
| salaryid | empid | salary |
+-----+-----+-----+
| 12 | 2 | 45000 |
| 13 | 3 | 50000 |
+-----+-----+-----+
```

2 rows in set (0.00 sec)

#on delete set null

```
mysql> create table course(
```

```
    -> courseid int primary key,
```

```
    -> coursename varchar(50));
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> create table stud(
```

```
    -> stdid int primary key,
```

```
    -> stdname varchar(50),
```

```
    -> courseid int,
```

```
    -> foreign key (courseid)references course(courseid) on delete set null);
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> insert into course values(101,'maths'),(102,'physics');
```

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

```
mysql> select * from course;
```

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

```
| courseid | coursename |
```

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

```
|    101 | maths    |
```

```
|    102 | physics  |
```

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

2 rows in set (0.00 sec)

```
mysql> insert into stud values (1,'alice',101),(2,'john',101),(3,'savi',101);
```

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

```
mysql> select * from stud;
```

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

```
| stdid | stdname | courseid |
```

```
+-----+-----+-----+
|  1 | alice |   101 |
|  2 | john  |   101 |
|  3 | savi  |   101 |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

mysql> delete from course where courseid=101;

Query OK, 1 row affected (0.01 sec)

mysql> select * from stud;

```
+-----+-----+-----+
| stdid | stdname | courseid |
+-----+-----+-----+
|  1 | alice |   NULL |
|  2 | john  |   NULL |
|  3 | savi  |   NULL |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

Experiment: 7

mysql> create table marks(sub char(50), rollno int, marks int);

Query OK, 0 rows affected (0.04 sec)

mysql> desc marks;

```
+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| sub   | char(50) | YES  |     | NULL    |       |
| rollno | int    | YES  |     | NULL    |       |
| marks | int    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

mysql> insert into marks (sub,rollno,marks)values ('maths',2,68);

Query OK, 1 row affected (0.01 sec)

mysql> insert into marks (sub,rollno,marks)values ('science',21,56);

Query OK, 1 row affected (0.01 sec)

mysql> insert into marks (sub,rollno,marks)values ('chemistry',31,76);

Query OK, 1 row affected (0.01 sec)

mysql> select * from marks;

```
+-----+-----+-----+
| sub   | rollno | marks |
+-----+-----+-----+
| maths | 2      | 68    |
| science | 21    | 56    |
| chemistry | 31   | 76    |
+-----+-----+-----+
```

3 rows in set (0.00 sec)

mysql> create table marks1(sub char(50),marks int);

Query OK, 0 rows affected (0.04 sec)

mysql> desc marks1;

```
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| sub   | char(50) | YES  |     | NULL    |      |
| marks | int      | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+-----+
```

2 rows in set (0.01 sec)

mysql> insert into marks1 (sub,marks)values ('english',87);

Query OK, 1 row affected (0.01 sec)

mysql> insert into marks1 (sub,marks)values ('socialscience',96);

Query OK, 1 row affected (0.01 sec)

mysql> select * from marks1;

```
+-----+-----+
| sub      | marks |
+-----+-----+
| english  | 87    |
| socialscience | 96    |
+-----+-----+
```

2 rows in set (0.00 sec)

mysql> select marks from marks union select marks from marks1;

```
+-----+
| marks |
+-----+
| 68    |
| 56    |
| 76    |
| 87    |
| 96    |
+-----+
```

5 rows in set (0.01 sec)

mysql> select * from marks where MARKS IN (select marks from marks1);

Empty set (0.01 sec)

mysql> select MARKS from marks left join marks1 using(marks)where marks1.marks is null;

```
+-----+
| MARKS |
+-----+
| 68    |
| 56    |
| 76    |
+-----+
```

3 rows in set (0.00 sec)

Experiment:8

```
mysql> create table Stud1(ID int,FNAME varchar(100),LName varchar(100), AGE int); Query
OK, 0 rows affected (0.28 sec)
```

```
mysql> desc Stud1;
```

+	+	+	+	+	+	+

Field	Type	Null	Key	Default	Extra	
+	+	+	+	+	+	+

ID	int	YES	NULL			
FNAME	varchar(100)	YES	NULL			
LName	varchar(100)	YES	NULL			
AGE	int	YES	NULL			
+	+	+	+	+	+	+

4 rows in set (0.00 sec)

```
mysql> insert into Stud1(ID,FNAME,LNAME,AGE)
values(111,"jonh","Smith",20),(112,"Jane","Doe",21),(113,"Sarah","Davis",20);
```

Query OK, 3 rows affected (0.09 sec)

Records: 3 Duplicates: 0 Warnings: 0

```
mysql> create table Stud2(sno int,sname varchar(100),age int); Query OK, 0 rows affected (0.51
sec)
```

```
mysql> desc Stud2;
```

+	+	+	+	+	+	+

Field	Type	Null	Key	Default	Extra
sno	int	YES	NULL		
sname	varchar(100)	YES	NULL		
age	int	YES	NULL		

3 rows in set (0.00 sec)

```
mysql> insert into Stud2(sno,sname,age)
values(11,"Robert",22),(12,"Jenna",20),(13,"Allan",21);
```

Query OK, 3 rows affected (0.08 sec) Records: 3 Duplicates: 0 Warnings: 0

```
mysql> select * from Stud1;
```

ID	FNAME	LName	AGE
111	jonh	Smith	20
112	Jane	Doe	21
113	Sarah	Davis	20

3 rows in set (0.00 sec)

```
mysql> select * from Stud2;
```

sno	sname	age
11	Robert	22
12	Jenna	20
13	Allan	21

3 rows in set (0.00 sec)

1.Inner Join

```
mysql> select Stud1.ID, Stud1.FNAME, Stud2.sno from Stud1 inner join Stud2 on Stud1.AGE=Stud2.Age;
```

```
+-----+-----+-----+
| ID | FNAME | sno |
+-----+-----+-----+
| 113 | Sarah | 12 |
| 111 | jonh  | 12 |
| 112 | Jane  | 13 |
+-----+-----+-----+
3 rows in set (0.02 sec)
```

2.Left Join

```
mysql> select Stud1.ID, Stud1.FNAME from Stud1 left join Stud2 on Stud1.AGE=Stud2.age;
```

```
+-----+-----+
| ID | FNAME |
+-----+-----+
| 111 | jonh  |
| 112 | Jane  |
| 113 | Sarah |
+-----+-----+
3 rows in set (0.01 sec)
```

3.Right Join

```
mysql> select Stud1.ID, Stud1.FNAME from Stud1 right join Stud2 on Stud1.AGE=Stud2.age;
```

```
+-----+-----+
| ID | FNAME |
+-----+-----+
+-----+-----+
```

```
| NULL | NULL |
| 113 | Sarah |
| 111 | jonh |
| 112 | Jane |
+-----+-----+
4 rows in set (0.00 sec)
```

4.Full Join

```
mysql> select Stud1.ID, Stud1.FNAME from Stud1 left join Stud2 on Stud1.AGE=Stud2.age
```

```
-> union
```

```
->
```

```
-> select Stud1.ID, Stud1.FNAME from Stud1 right join Stud2 on Stud1.AGE=Stud2.age;
```

```
+-----+-----+
| ID | FNAME |
+-----+-----+
| 111 | jonh |
| 112 | Jane |
| 113 | Sarah |
| NULL | NULL |
+-----+-----+
4 rows in set (0.03 sec)
```

5.Cross Join

```
mysql> select Stud1.AGE, Stud1.FNAME from Stud1 cross join Stud2 where
Stud1.AGE=Stud2.age;
```

```
+-----+-----+
| AGE | FNAME |
+-----+-----+
| 20 | Sarah |
| 20 | jonh |
| 21 | Jane |
```

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

6.Natural Join

```
mysql> select * from Stud1 natural join Stud2;
```

```
+-----+-----+-----+-----+-----+-----+
| AGE | ID | FNAME | LName | sno | sname |
+-----+-----+-----+-----+-----+-----+
| 20 | 113 | Sarah | Davis | 12 | Jenna |
| 20 | 111 | jonh | Smith | 12 | Jenna |
| 21 | 112 | Jane | Doe | 13 | Allan |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

7.Self Join

```
mysql> select a.ID,B.FNAME as ELDER, a. FNAME as SMALLER,a.AGE as LOWER from
Stud1 a, Stud1 b where a.AGE>b.AGE;
```

```
+-----+-----+-----+-----+
| ID | ELDER | SMALLER | LOWER |
+-----+-----+-----+-----+
| 112 | jonh | Jane | 21 |
| 112 | Sarah | Jane | 21 |
+-----+-----+-----+-----+
2 rows in set (0.01 sec)
```

Experiment: 9

```
mysql> create table Student10(ID int,Name char(50),Marks int);
```

Query OK, 0 rows affected (0.55 sec)

```
mysql> desc Student10;
```

Field	Type	Null	Key	Default	Extra
ID	int	YES		NULL	
Name	char(50)	YES		NULL	
Marks	int	YES		NULL	

3 rows in set (0.06 sec)

```
mysql> insert into Student10(ID,Name,Marks)values(25,'Daisy',78);
```

Query OK, 1 row affected (0.07 sec)

```
mysql> insert into Student10(ID,Name,Marks)values(56,'John',42); Query OK, 1 row affected (0.04 sec)
```

mysql> insert into Student10(ID,Name,Marks)values(87,'Jenny',80); Query OK, 1 row affected
(0.05 sec)

mysql> insert into Student10(ID,Name,Marks)values(45,'Davi',64); Query OK, 1 row affected
(0.05 sec)

mysql> insert into Student10(ID,Name,Marks)values(88,'Johnson',90); Query OK, 1 row
affected (0.03 sec)

mysql> insert into Student10(ID,Name,Marks)values(8,'Robert',79); Query OK, 1 row affected
(0.04 sec)

mysql> select * from Student10;

ID	Name	Marks
25	Daisy	78
56	John	42
87	Jenny	80
45	Davi	64
88	Johnson	90
8	Robert	79

+ + + +

6 rows in set (0.01 sec)

mysql> select MIN(Marks)from Student10;

```
+      +
+-----+
| MIN(Marks) |
+      +
+-----+
|          42 |
+      +
+-----+
1 row in set (0.02 sec)
```

mysql> select MAX(Marks)from Student10;

```
+      +
+-----+
| MAX(Marks) |
+      +
+-----+
|          90 |
+      +
+-----+
1 row in set (0.00 sec)
```

mysql> select AVG(Marks)from Student10;

```
+      +
+-----+
| AVG(Marks) |
+      +
+-----+
|       72.1667 |
+      +
+-----+
1 row in set (0.01 sec)
```



```
mysql> select COUNT(Marks)from Student10;
```

```
+          +
+-----+
| COUNT(Marks) |
+          +
+-----+
|          6 |
+          +
+-----+
1 row in set (0.00 sec)
```

```
mysql> select SUM(Marks)from Student10;
```

```
+          +
+-----+
| SUM(Marks) |
+          +
+-----+
|          433 |
+          +
+-----+
1 row in set (0.00 sec)
```

Experiment: 10

```
mysql> select char_length('Johnson');
```

```
+          +
+-----+
| char_length('Johnson') |
+          +
+-----+
|          7 |
+          +
+-----+
1 row in set (0.01 sec)
```

```
mysql> select ASCII('Johnson');
```

```
+          +
+-----+
| ASCII('Johnson') |
+          +
+-----+
|          74 |
+          +
+-----+
1 row in set (0.00 sec)
```

```
mysql> select concat('Johnson');
```

```
+      +  
-----  
| concat('Johnson') |
```

```
+      +  
-----  
| Johnson           |
```

```
+      +  
-----  
1 row in set (0.04 sec)
```

```
mysql> select concat('Johnson') as fullname;
```

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

```
mysql> select upper('hello');
```

```
+      +
+-----+
| upper('hello') |
+      +
+-----+
| HELLO          |
+      +
+-----+
1 row in set (0.01 sec)
```

```
mysql> select lower('HELLO');
```

```
+      +
+-----+
| lower('HELLO') |
+      +
+-----+
| hello          |
+      +
+-----+
1 row in set (0.00 sec)
```

```
mysql> select reverse('HELLO');
```

```
+      +
+-----+
| reverse('HELLO') |
+      +
+-----+
| OLLEH           |
+      +
+-----+
```

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

1 row in set (0.00 sec)

mysql> select lcase('We All are CSE Students');

```
+      +  
-----  
| lcase('We All are CSE Students') |
```

```
+      +  
-----  
| we all are cse students |
```

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

mysql> select ucase('We All are CSE Students');

```
+      +  
-----  
| ucase('We All are CSE Students') |  
  
+      +  
-----  
| WE ALL ARE CSE STUDENTS          |
```

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

mysql> select repeat('HELLO', 2);

```
+      +  
-----  
| repeat('HELLO', 2) |  
  
+      +  
-----  
| HELLOHELLO          |
```

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