```
Constraints

PRIMARY KEY

mysql> create table employee
    -> (
    -> empno char(5)primary key,
    -> ename varchar(6),
    -> depno int );
Query OK, 0 rows affected (1.39 sec)

mysql> insert into employee values(1,"ram",1),
    -> (2,"ram",2);
Query OK, 2 rows affected (0.22 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> select * from employee;
+-------+-------+-------+
| empno | ename | depno |
+-------+-------+-------+
| 1     | ram   |     1 |
| 2     | ram   |     2 |
+-------+-------+-------+
2 rows in set (0.00 sec)

mysql> insert into employee values(1,"ram",1);
ERROR 1062 (23000): Duplicate entry '1' for key 'employee.PRIMARY'

mysql> insert into employee values(NULL,"ram",1);
ERROR 1048 (23000): Column 'empno' cannot be null


TO DROP PRIMARY KRY:
mysql> alter table employee drop primary key;

TO ADD PRIMARY KEY:
mysql> alter table employee add primary key(empno);

************************************************************

COMPOSITE PRIMARY KEY:

mysql> CREATE TABLE EMPLOYEE1(
    -> EMPNO CHAR(5),
    -> ENAME VARCHAR (15),
    -> DEPNO INT,
    -> PRIMARY KEY(DEPNO,EMPNO));
Query OK, 0 rows affected (0.67 sec)


mysql> SHOW INDEXES FROM EMPLOYEE1;
```

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment	Visible	Expression
employee1	0	PRIMARY	1	DEPNO	A	0	NULL	NULL		BTREE			YES	NULL
employee1	0	PRIMARY	2	EMPNO	A									

```
0 |      NULL |   NULL |       | BTREE       |          |
 | YES     | NULL       |
+----------+-----------+---------+-------------+------------+----------
+------------+---------+--------+------+-----------+--------+--------------
+--------+-----------+
2 rows in set (0.13 sec)


mysql> alter table employee1 drop primary key;

mysql> alter table employee1 add primary key(depno,empno);
depno-->parent
empno-->child


*****************************************************************************
***********

NOT NULL Constraints

create
mysql> create table employee1(empno char(5),ename varchar(15) not null,sal int
not null,depno int);

delete not null key:
mysql> alter table employee1 modify ename varchar(25) null;

add not null constraint:
mysql> alter table employee1 modify ename varchar(25) not null;

*****************************************************************************
***********

UNIQUE Constraints

mysql> CREATE TABLE EMPLOYEE1(EMPNO CHAR(5),ENAME VARCHAR(10),SAL FLOAT,DEPNO
INT ,MOBILE CHAR(25) UNIQUE, UNIQUE(DEPNO,EMPNO));

//mysql> SELECT * FROM INFORMATION_SCHEMA.table_constraints;
//mysql> SELECT * FROM INFORMATION_SCHEMA.key_column_usage where
table_name='emp';

to drop unique constraint
mysql> alter table employee1 drop mobile;

to add unique constrint
mysql> alter table employee1 add unique (mob);
```