.

mysql> create database manoj;

Query OK, 1 row affected (0.00 sec)

mysql> use manoj;

Database changed

mysql> create table student (sno int, regno int, name varchar(30),gender char(30), dob date ,moblieno int, city char(30));

Query OK, 0 rows affected (0.02 sec)

mysql> desc student;

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

| Field | Type | Null | Key | Default | Extra |

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

| sno | int(11) | YES | | NULL | |

| regno | int(11) | YES | | NULL | |

| name | varchar(30) | YES | | NULL | |

| gender | char(30) | YES | | NULL | |

| dob | date | YES | | NULL | |

| moblieno | int(11) | YES | | NULL | |

| city | char(30) | YES | | NULL | |

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

7 rows in set (0.05 sec)

mysql> create table faculty (sno int, facno int, facname varchar(30),gender char(30), dob date ,doj date , moblieno int);

Query OK, 0 rows affected (0.05 sec)

mysql> desc faculty;

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

| Field | Type | Null | Key | Default | Extra |

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

| sno | int(11) | YES | | NULL | |

| facno | int(11) | YES | | NULL | |

| facname | varchar(30) | YES | | NULL | |

| gender | char(30) | YES | | NULL | |

| dob | date | YES | | NULL | |

| doj | date | YES | | NULL | |

| moblieno | int(11) | YES | | NULL | |

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

7 rows in set (0.06 sec)

mysql> create table department (deptno int, deptname char(30), depthead char(30));

Query OK, 0 rows affected (0.06 sec)

mysql> desc department;

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

| Field | Type | Null | Key | Default | Extra |

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

| deptno | int(11) | YES | | NULL | |

| deptname | char(30) | YES | | NULL | |

| depthead | char(30) | YES | | NULL | |

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

3 rows in set (0.06 sec)

mysql> create table course (courseno int, coursetype char(30),coursedesc varchar(30),semno int, hallno int, facno int);

Query OK, 0 rows affected (0.04 sec)

mysql> desc course;

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

| Field | Type | Null | Key | Default | Extra |

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

| courseno | int(11) | YES | | NULL | |

| coursetype | char(30) | YES | | NULL | |

| coursedesc | varchar(30) | YES | | NULL | |

| semno | int(11) | YES | | NULL | |

| hallno | int(11) | YES | | NULL | |

| facno | int(11) | YES | | NULL | |

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

6 rows in set (0.06 sec)

mysql> alter table faculty;

Query OK, 0 rows affected (0.00 sec)

mysql> alter table faculty

-> add column = deptno 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 '= deptno int' at line 2

mysql> alter table faculty

-> add column (deptno int);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc faculty;

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

| Field | Type | Null | Key | Default | Extra |

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

| sno | int(11) | YES | | NULL | |

| facno | int(11) | YES | | NULL | |

| facname | varchar(30) | YES | | NULL | |

| gender | char(30) | YES | | NULL | |

| dob | date | YES | | NULL | |

| doj | date | YES | | NULL | |

| moblieno | int(11) | YES | | NULL | |

| deptno | int(11) | YES | | NULL | |

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

8 rows in set (0.06 sec)

mysql> alter table student

-> add column=('regno primarykey');

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 '=('regno primarykey')' at line 2

mysql> alter table student

-> add primary key =(regno);

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 '=(regno)' at line 2

mysql> alter table student

-> add primary key (regno);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc student;

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

| Field | Type | Null | Key | Default | Extra |

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

| sno | int(11) | YES | | NULL | |

| regno | int(11) | NO | PRI | 0 | |

| name | varchar(30) | YES | | NULL | |

| gender | char(30) | YES | | NULL | |

| dob | date | YES | | NULL | |

| moblieno | int(11) | YES | | NULL | |

| city | char(30) | YES | | NULL | |

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

7 rows in set (0.06 sec)

mysql> alter table faculty

-> add primary key(facno);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table faculty

-> add check (gender='M' or 'F');

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> DESC FACULTY;

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

| Field | Type | Null | Key | Default | Extra |

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

| sno | int(11) | YES | | NULL | |

| facno | int(11) | NO | PRI | 0 | |

| facname | varchar(30) | YES | | NULL | |

| gender | char(30) | YES | | NULL | |

| dob | date | YES | | NULL | |

| doj | date | YES | | NULL | |

| moblieno | int(11) | YES | | NULL | |

| deptno | int(11) | YES | | NULL | |

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

8 rows in set (0.06 sec)

mysql> alter table faculty

-> add FOREIGN KEY(DEPTNO) REFERENCES DEPARTMENT(DEPTNO);

ERROR 1005 (HY000): Can't create table 'manoj.#sql-1578\_11' (errno: 150)

mysql> alter table department

-> add primary key(deptno);

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc department;

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

| Field | Type | Null | Key | Default | Extra |

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

| deptno | int(11) | NO | PRI | 0 | |

| deptname | char(30) | YES | | NULL | |

| depthead | char(30) | YES | | NULL | |

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

3 rows in set (0.05 sec)

mysql> alter table department

-> create database manoj;//

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 'create database manoj' at line 2

-> alter table course

-> add primary key(courseno);

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 '//

alter table course

add primary key(courseno)' at line 1

mysql> alter table course

-> add primarykey (courseno);

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 '(courseno)' at line 2

mysql> alter table course

-> add primary key (courseno);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc course;

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

| Field | Type | Null | Key | Default | Extra |

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

| courseno | int(11) | NO | PRI | 0 | |

| coursetype | char(30) | YES | | NULL | |

| coursedesc | varchar(30) | YES | | NULL | |

| semno | int(11) | YES | | NULL | |

| hallno | int(11) | YES | | NULL | |

| facno | int(11) | YES | | NULL | |

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

6 rows in set (0.01 sec)

mysql>

mysql> alter table faculty

-> add column (deptno int);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc faculty;

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

| Field | Type | Null | Key | Default | Extra |

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

| sno | int(11) | YES | | NULL | |

| facno | int(11) | YES | | NULL | |

| facname | varchar(30) | YES | | NULL | |

| gender | char(30) | YES | | NULL | |

| dob | date | YES | | NULL | |

| doj | date | YES | | NULL | |

| moblieno | int(11) | YES | | NULL | |

| deptno | int(11) | YES | | NULL | |

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

8 rows in set (0.06 sec)

mysql>