**Name :Vishal singh**

**Subject:DBMS**

**PRN:1132220536**

**SLIP\_5.**

MariaDB [(none)]> use slip\_5;

Database changed

MariaDB [slip\_5]> show tables;

Empty set (0.082 sec)

MariaDB [slip\_5]> create table student(roll\_nos int primary key,name varchar(10),marks float);

Query OK, 0 rows affected (0.512 sec)

MariaDB [slip\_5]> create table teacher(t\_no int primary key,t\_name varchar(10));

Query OK, 0 rows affected (0.224 sec)

MariaDB [slip\_5]> create table student\_teacher(roll\_nos int,subject varchar(10),foreign key(roll\_nos) references student(roll\_nos),t\_no int,foreign key(t\_no) references teacher(t\_no),class varchar(3) check(class in('fy','sy','ty')));

Query OK, 0 rows affected (0.394 sec)

MariaDB [slip\_5]> desc student;

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

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

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

| roll\_nos | int(11) | NO | PRI | NULL | |

| name | varchar(10) | YES | | NULL | |

| marks | float | YES | | NULL | |

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

3 rows in set (0.182 sec)

MariaDB [slip\_5]> insert into student values(1001,'vishal',98.02);

Query OK, 1 row affected (0.110 sec)

MariaDB [slip\_5]> insert into student values(1002,'aditi',88.02);

Query OK, 1 row affected (0.076 sec)

MariaDB [slip\_5]> insert into student values(1003,'yash',78.02);

Query OK, 1 row affected (0.066 sec)

MariaDB [slip\_5]> desc teacher;

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

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

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

| t\_no | int(11) | NO | PRI | NULL | |

| t\_name | varchar(10) | YES | | NULL | |

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

2 rows in set (0.098 sec)

MariaDB [slip\_5]> insert into teacher values(1,'mr.patil');

Query OK, 1 row affected (0.070 sec)

MariaDB [slip\_5]> insert into teacher values(2,'mr.deshmukh');

Query OK, 1 row affected, 1 warning (0.122 sec)

MariaDB [slip\_5]> insert into teacher values(3,'mr.singh');

Query OK, 1 row affected (0.042 sec)

MariaDB [slip\_5]> desc student\_teacher;

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

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

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

| roll\_nos | int(11) | YES | MUL | NULL | |

| subject | varchar(10) | YES | | NULL | |

| t\_no | int(11) | YES | MUL | NULL | |

| class | varchar(3) | YES | | NULL | |

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

4 rows in set (0.085 sec)

MariaDB [slip\_5]> select \* from teacher;

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

| t\_no | t\_name |

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

| 1 | mr.patil |

| 2 | mr.deshmuk |

| 3 | mr.singh |

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

3 rows in set (0.001 sec)

MariaDB [slip\_5]> select \* from student;

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

| roll\_nos | name | marks |

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

| 1001 | vishal | 98.02 |

| 1002 | aditi | 88.02 |

| 1003 | yash | 78.02 |

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

3 rows in set (0.001 sec)

MariaDB [slip\_5]> desc student\_teacher;

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

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

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

| roll\_nos | int(11) | YES | MUL | NULL | |

| subject | varchar(10) | YES | | NULL | |

| t\_no | int(11) | YES | MUL | NULL | |

| class | varchar(3) | YES | | NULL | |

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

4 rows in set (0.061 sec)

MariaDB [slip\_5]> insert into student\_teacher values(1001,'data structures',1,'fy');

Query OK, 1 row affected, 1 warning (0.085 sec)

MariaDB [slip\_5]> insert into student\_teacher values(1002,'data minning',2,'sy');

Query OK, 1 row affected, 1 warning (0.057 sec)

MariaDB [slip\_5]> insert into student\_teacher values(1003,'compiler const',1,'ty');

Query OK, 1 row affected, 1 warning (0.059 sec)

MariaDB [slip\_5]> insert into student\_teacher values(1003,'dbms',2,'fy');

Query OK, 1 row affected (0.058 sec)

MariaDB [slip\_5]> insert into student\_teacher values(1002,'c lang',1,'sy');

Query OK, 1 row affected (0.075 sec)

MariaDB [slip\_5]> insert into student\_teacher values(1001,'cpp lang',2,'ty');

Query OK, 1 row affected (0.075 sec)

MariaDB [slip\_5]> select \*from student\_teacher;

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

| roll\_nos | subject | t\_no | class |

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

| 1001 | data struc | 1 | fy |

| 1002 | data minni | 2 | sy |

| 1003 | compiler c | 1 | ty |

| 1003 | dbms | 2 | fy |

| 1002 | c lang | 1 | sy |

| 1001 | cpp lang | 2 | ty |

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

6 rows in set (0.001 sec)

MariaDB [slip\_5]> select \* from student;

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

| roll\_nos | name | marks |

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

| 1001 | vishal | 98.02 |

| 1002 | aditi | 88.02 |

| 1003 | yash | 78.02 |

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

3 rows in set (0.001 sec)

MariaDB [slip\_5]> select \* from teacher;

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

| t\_no | t\_name |

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

| 1 | mr.patil |

| 2 | mr.deshmuk |

| 3 | mr.singh |

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

3 rows in set (0.001 sec)

MariaDB [slip\_5]>