**Name :Vishal singh**

**Subject:DBMS**

**PRN:1132220536**

**SLIP\_15.**

MariaDB [(none)]> create database slip\_15;

Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> use slip\_15;

Database changed

MariaDB [slip\_15]> create table doctor(d\_no int primary key,d\_name varchar(20),addr varchar(20) not null,city char(10));

Query OK, 0 rows affected (0.352 sec)

MariaDB [slip\_15]> desc doctor;

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

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

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

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

| d\_name | varchar(20) | YES | | NULL | |

| addr | varchar(20) | NO | | NULL | |

| city | char(10) | YES | | NULL | |

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

4 rows in set (0.014 sec)

MariaDB [slip\_15]> insert into doctor values(1001,'arya','deccan','pune');

Query OK, 1 row affected (0.065 sec)

MariaDB [slip\_15]> insert into doctor values(1002,'vishal','kothrud','pune');

Query OK, 1 row affected (0.074 sec)

MariaDB [slip\_15]> insert into doctor values(1003,'jyoti','dehu road','pune');

Query OK, 1 row affected (0.077 sec)

MariaDB [slip\_15]> select \* from doctor;

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

| d\_no | d\_name | addr | city |

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

| 1001 | arya | deccan | pune |

| 1002 | vishal | kothrud | pune |

| 1003 | jyoti | dehu road | pune |

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

3 rows in set (0.000 sec)

MariaDB [slip\_15]> create table hospitals(h\_no int primary key,h\_name varchar(20),street varchar(10),h\_city varchar(10));

Query OK, 0 rows affected (0.302 sec)

MariaDB [slip\_15]> desc hospitals;

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

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

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

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

| h\_name | varchar(20) | YES | | NULL | |

| street | varchar(10) | YES | | NULL | |

| h\_city | varchar(10) | YES | | NULL | |

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

4 rows in set (0.017 sec)

MariaDB [slip\_15]> insert into hospitals values(501,'kalu bai','deccan','jm road');

Query OK, 1 row affected (0.041 sec)

MariaDB [slip\_15]> insert into hospitals values(502,'kana ben','deccan','alka tokkies');

Query OK, 1 row affected, 1 warning (0.065 sec)

MariaDB [slip\_15]> insert into hospitals values(503,'shyadri','prabhat road','kothrud');

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

MariaDB [slip\_15]> select \* from hospitals;

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

| h\_no | h\_name | street | h\_city |

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

| 501 | kalu bai | deccan | jm road |

| 502 | kana ben | deccan | alka tokki |

| 503 | shyadri | prabhat ro | kothrud |

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

3 rows in set (0.000 sec)

MariaDB [slip\_15]> create table hosp\_doc(h\_no int ,foreign key(h\_no) references hospitals(h\_no) on delete cascade on update cascade,d\_no int ,foreign key(d\_no) references doctor(d\_no) on delete cascade on update cascade);

Query OK, 0 rows affected (0.262 sec)

MariaDB [slip\_15]> desc hosp\_doc;

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

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

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

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

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

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

2 rows in set (0.015 sec)

MariaDB [slip\_15]> insert into hosp\_doc values(501,1001);

Query OK, 1 row affected (0.098 sec)

MariaDB [slip\_15]> insert into hosp\_doc values(501,1002);

Query OK, 1 row affected (0.043 sec)

MariaDB [slip\_15]> insert into hosp\_doc values(502,1002);

Query OK, 1 row affected (0.073 sec)

MariaDB [slip\_15]> insert into hosp\_doc values(503,1002);

Query OK, 1 row affected (0.091 sec)

MariaDB [slip\_15]> insert into hosp\_doc values(503,1001);

Query OK, 1 row affected (0.028 sec)

MariaDB [slip\_15]> insert into hosp\_doc values(502,1001);

Query OK, 1 row affected (0.037 sec)

MariaDB [slip\_15]> insert into hosp\_doc values(501,1003);

Query OK, 1 row affected (0.076 sec)

MariaDB [slip\_15]> insert into hosp\_doc values(502,1003);

Query OK, 1 row affected (0.028 sec)

MariaDB [slip\_15]> select \* from hosp\_doc;

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

| h\_no | d\_no |

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

| 501 | 1001 |

| 501 | 1002 |

| 502 | 1002 |

| 503 | 1002 |

| 503 | 1001 |

| 502 | 1001 |

| 501 | 1003 |

| 502 | 1003 |

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

8 rows in set (0.000 sec)

MariaDB [slip\_15]>