**Name :Vishal singh**

**Subject:DBMS**

**PRN:1132220536**

**SLIP\_17.**

MariaDB [(none)]> create database slip\_17;

Query OK, 1 row affected (0.002 sec)

MariaDB [(none)]> use slip\_17;

Database changed

MariaDB [slip\_17]> create table doctor(d\_no int primary key,d\_name varchar(20),addr varchar(20),city varchar(20));

Query OK, 0 rows affected (0.385 sec)

MariaDB [slip\_17]> insert into doctor values(1001,' dr.apte','deccan','pune');

Query OK, 1 row affected (0.113 sec)

MariaDB [slip\_17]> insert into doctor values(1002,' dr.patil','kothrud','pune');

Query OK, 1 row affected (0.064 sec)

MariaDB [slip\_17]> insert into doctor values(1003,' dr.gandhi','danapur','patna');

Query OK, 1 row affected (0.067 sec)

MariaDB [slip\_17]> select \* from doctor;

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

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

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

| 1001 | dr.apte | deccan | pune |

| 1002 | dr.patil | kothrud | pune |

| 1003 | dr.gandhi | danapur | patna |

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

3 rows in set (0.001 sec)

MariaDB [slip\_17]> create table patient(opd\_no int primary key,pat\_name varchar(20),addr varchar(20),disease varchar(20));

Query OK, 0 rows affected (0.273 sec)

MariaDB [slip\_17]> desc patient;

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

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

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

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

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

| addr | varchar(20) | YES | | NULL | |

| disease | varchar(20) | YES | | NULL | |

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

4 rows in set (0.015 sec)

MariaDB [slip\_17]> insert into patient values(501,'kavita','pune','cancer');

Query OK, 1 row affected (0.072 sec)

MariaDB [slip\_17]> insert into patient values(502,'savita','pune','cancer');

Query OK, 1 row affected (0.047 sec)

MariaDB [slip\_17]> insert into patient values(503,'komal','patna','headache');

Query OK, 1 row affected (0.069 sec)

MariaDB [slip\_17]> select \* from patient;

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

| opd\_no | pat\_name | addr | disease |

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

| 501 | kavita | pune | cancer |

| 502 | savita | pune | cancer |

| 503 | komal | patna | headache |

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

3 rows in set (0.000 sec)

MariaDB [slip\_17]> create table doc\_pat(d\_no int,foreign key(d\_no) references doctor(d\_no) on delete cascade on update cascade,opd\_no int,foreign key(opd\_no) references patient(opd\_no) on delete cascade on update cascade,no\_of\_visits int,check(no\_of\_visits<>0));

Query OK, 0 rows affected (0.257 sec)

MariaDB [slip\_17]> desc doc\_pat;

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

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

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

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

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

| no\_of\_visits | int(11) | YES | | NULL | |

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

3 rows in set (0.014 sec)

MariaDB [slip\_17]> insert into doc\_pat values(1001,501,10);

Query OK, 1 row affected (0.117 sec)

MariaDB [slip\_17]> insert into doc\_pat values(1001,502,1);

Query OK, 1 row affected (0.102 sec)

MariaDB [slip\_17]> insert into doc\_pat values(1003,503,11);

Query OK, 1 row affected (0.047 sec)

MariaDB [slip\_17]> insert into doc\_pat values(1002,502,17);

Query OK, 1 row affected (0.060 sec)

MariaDB [slip\_17]> select \* from doc\_pat;

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

| d\_no | opd\_no | no\_of\_visits |

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

| 1001 | 501 | 10 |

| 1001 | 502 | 1 |

| 1003 | 503 | 11 |

| 1002 | 502 | 17 |

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

4 rows in set (0.000 sec)

MariaDB [slip\_17]>