**Name :Vishal singh**

**Subject:DBMS**

**PRN:1132220536**

**SLIP\_9.**

MariaDB [(none)]> use slip\_9

Database changed

MariaDB [slip\_9]> create table student(s\_not int primary key,s\_name varchar(20) not null,addr varchar(20),class varchar(20));

Query OK, 0 rows affected (0.451 sec)

MariaDB [slip\_9]> desc student;

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

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

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

| s\_not | int(11) | NO | PRI | NULL | |

| s\_name | varchar(20) | NO | | NULL | |

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

| class | varchar(20) | YES | | NULL | |

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

4 rows in set (0.021 sec)

MariaDB [slip\_9]> insert into student values(1001,'vishal','pimpri','fymca');

Query OK, 1 row affected (0.071 sec)

MariaDB [slip\_9]> insert into student values(1002,'aditi','pimpri','symca');

Query OK, 1 row affected (0.039 sec)

MariaDB [slip\_9]> insert into student values(1003,'arya','pune','tymca');

Query OK, 1 row affected (0.067 sec)

MariaDB [slip\_9]> select \* from student;

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

| s\_not | s\_name | addr | class |

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

| 1001 | vishal | pimpri | fymca |

| 1002 | aditi | pimpri | symca |

| 1003 | arya | pune | tymca |

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

3 rows in set (0.001 sec)

MariaDB [slip\_9]> create table subject(sub\_no int primary key,sub\_name varchar(20));

Query OK, 0 rows affected (0.321 sec)

MariaDB [slip\_9]> insert into subject values(501,'data structures');

Query OK, 1 row affected (0.120 sec)

MariaDB [slip\_9]> insert into subject values(502,'organic chemistry');

Query OK, 1 row affected (0.026 sec)

MariaDB [slip\_9]> insert into subject values(503,'computer science');

Query OK, 1 row affected (0.091 sec)

MariaDB [slip\_9]> insert into subject values(504,'computer science');

Query OK, 1 row affected (0.058 sec)

MariaDB [slip\_9]> insert into subject values(505,'organic chemistry');

Query OK, 1 row affected (0.208 sec)

MariaDB [slip\_9]> show tables;

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

| Tables\_in\_slip\_9 |

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

| student |

| subject |

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

2 rows in set (0.002 sec)

MariaDB [slip\_9]> desc student;

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

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

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

| s\_not | int(11) | NO | PRI | NULL | |

| s\_name | varchar(20) | NO | | NULL | |

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

| class | varchar(20) | YES | | NULL | |

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

4 rows in set (0.018 sec)

MariaDB [slip\_9]> desc subject;

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

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

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

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

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

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

2 rows in set (0.019 sec)

MariaDB [slip\_9]> create table student\_subject(s\_not int,foreign key(s\_not) references student(s\_not),sub\_no int ,foreign key(sub\_no) references subject(sub\_no),marks float);

Query OK, 0 rows affected (0.395 sec)

MariaDB [slip\_9]> select \* from student;

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

| s\_not | s\_name | addr | class |

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

| 1001 | vishal | pimpri | fymca |

| 1002 | aditi | pimpri | symca |

| 1003 | arya | pune | tymca |

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

3 rows in set (0.001 sec)

MariaDB [slip\_9]> select \* from subject;

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

| sub\_no | sub\_name |

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

| 501 | data structures |

| 502 | organic chemistry |

| 503 | computer science |

| 504 | computer science |

| 505 | organic chemistry |

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

5 rows in set (0.001 sec)

MariaDB [slip\_9]> insert into student\_subject values(1001,501,55);

Query OK, 1 row affected (0.092 sec)

MariaDB [slip\_9]> insert into student\_subject values(1002,502,53);

Query OK, 1 row affected (0.054 sec)

MariaDB [slip\_9]> insert into student\_subject values(1001,503,50);

Query OK, 1 row affected (0.053 sec)

MariaDB [slip\_9]> insert into student\_subject values(1003,504,54);

Query OK, 1 row affected (0.027 sec)

MariaDB [slip\_9]> insert into student\_subject values(1002,505,89);

Query OK, 1 row affected (0.058 sec)

MariaDB [slip\_9]> insert into student\_subject values(1003,504,21);

Query OK, 1 row affected (0.098 sec)

MariaDB [slip\_9]> select \*from student\_subject;

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

| s\_not | sub\_no | marks |

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

| 1001 | 501 | 55 |

| 1002 | 502 | 53 |

| 1001 | 503 | 50 |

| 1003 | 504 | 54 |

| 1002 | 505 | 89 |

| 1003 | 504 | 21 |

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

6 rows in set (0.041 sec)

MariaDB [slip\_9]>