**Name :Vishal singh**

**Subject:DBMS**

**PRN:1132220536**

**SLIP\_7.**

MariaDB [(none)]> use slip\_7;

Database changed

MariaDB [slip\_7]> show tables;

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

| Tables\_in\_slip\_7 |

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

| dealer |

| dept |

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

2 rows in set (0.001 sec)

MariaDB [slip\_7]> create table book(b\_no int primary key,b\_name varchar(20),price float check (price>0));

Query OK, 0 rows affected (0.287 sec)

MariaDB [slip\_7]> desc book;

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

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

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

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

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

| price | float | YES | | NULL | |

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

3 rows in set (0.101 sec)

MariaDB [slip\_7]> drop table book;

Query OK, 0 rows affected (0.205 sec)

MariaDB [slip\_7]> desc dealer;

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

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

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

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

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

| address | varchar(10) | YES | | NULL | |

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

3 rows in set (0.183 sec)

MariaDB [slip\_7]> desc dept;

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

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

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

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

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

| head | varchar(10) | YES | | NULL | |

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

3 rows in set (0.187 sec)

MariaDB [slip\_7]> create table book(b\_no int primary key,b\_name varchar(20),price float check (price>0),d\_no int ,foreign key(d\_no) references dealer(d\_no),dept\_no int ,foreign key(dept\_no) references dept(dept\_no));

Query OK, 0 rows affected (0.347 sec)

MariaDB [slip\_7]> desc book;

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

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

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

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

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

| price | float | YES | | NULL | |

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

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

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

5 rows in set (0.075 sec)

MariaDB [slip\_7]> select \* from dealer;

Empty set (0.000 sec)

MariaDB [slip\_7]> desc dealer;

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

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

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

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

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

| address | varchar(10) | YES | | NULL | |

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

3 rows in set (0.056 sec)

MariaDB [slip\_7]> insert into dealer values(1001,'vishal','pune');

Query OK, 1 row affected (0.040 sec)

MariaDB [slip\_7]> insert into dealer values(1002,'singh','patna');

Query OK, 1 row affected (0.096 sec)

MariaDB [slip\_7]> insert into dealer values(1003,'arya','delhi');

Query OK, 1 row affected (0.046 sec)

MariaDB [slip\_7]> desc dept;

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

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

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

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

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

| head | varchar(10) | YES | | NULL | |

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

3 rows in set (0.057 sec)

MariaDB [slip\_7]> insert into dept values(501,'tata\_mg\_hill','computer');

Query OK, 1 row affected, 1 warning (0.023 sec)

MariaDB [slip\_7]> insert into dept values(502,'tata','mca');

Query OK, 1 row affected (0.062 sec)

MariaDB [slip\_7]> insert into dept values(503,'garware','bca');

Query OK, 1 row affected (0.064 sec)

MariaDB [slip\_7]> select \* from dealer;

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

| d\_no | d\_name | address |

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

| 1001 | vishal | pune |

| 1002 | singh | patna |

| 1003 | arya | delhi |

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

3 rows in set (0.000 sec)

MariaDB [slip\_7]> select \* from dept;

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

| dept\_no | dept\_name | head |

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

| 501 | tata\_mg\_hi | computer |

| 502 | tata | mca |

| 503 | garware | bca |

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

3 rows in set (0.001 sec)

MariaDB [slip\_7]> desc book;

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

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

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

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

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

| price | float | YES | | NULL | |

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

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

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

5 rows in set (0.151 sec)

MariaDB [slip\_7]> insert into book values(201,'data minning',750,1001,501);

Query OK, 1 row affected (0.075 sec)

MariaDB [slip\_7]> insert into book values(202,'data science',850,1002,502);

Query OK, 1 row affected (0.053 sec)

MariaDB [slip\_7]> insert into book values(203,'java',1050,1003,503);

Query OK, 1 row affected (0.059 sec)

MariaDB [slip\_7]> insert into book values(204,'cpp',1010,1002,501);

Query OK, 1 row affected (0.075 sec)

MariaDB [slip\_7]>

MariaDB [slip\_7]> insert into book values(205,'c lang',1070,1003,502);

Query OK, 1 row affected (0.046 sec)

MariaDB [slip\_7]> select \* from book;

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

| b\_no | b\_name | price | d\_no | dept\_no |

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

| 201 | data minning | 750 | 1001 | 501 |

| 202 | data science | 850 | 1002 | 502 |

| 203 | java | 1050 | 1003 | 503 |

| 204 | cpp | 1010 | 1002 | 501 |

| 205 | c lang | 1070 | 1003 | 502 |

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

5 rows in set (0.001 sec)

MariaDB [slip\_7]>