Assignment No 1 : Implementation of SQL-DDL commands (Create,Alter,Drop)

Name:Gayatri Suresh Chaudhari

CNUM:C22019221323 ROLL NO.-3321

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CREATE QUERY FOR MEMBER TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> CREATE TABLE Member(

-> M\_id int PRIMARY KEY AUTO\_INCREMENT,

-> m\_name varchar(30) NOT NULL,

-> m\_address varchar(50),

-> m\_phno varchar(15) UNIQUE);

Query OK, 0 rows affected, 1 warning (0.15 sec)

mysql> DESC MEMBER;

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

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

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

| M\_id | int | NO | PRI | NULL | auto\_increment |

| m\_name | varchar(30) | NO | | NULL | |

| m\_address | varchar(50) | YES | | NULL | |

| m\_phno | varchar(15) | NO | UNI | NULL | |

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

4 rows in set (0.01 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CREATE QUERY FOR Books TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> CREATE TABLE Books(

-> Book\_id int PRIMARY KEY,

-> bookname varchar(50) NOT NULL,

-> bookauthor varchar(30) NOT NULL,

-> bookpub varchar(50),

-> bookcost decimal(8,2) NOT NULL,

-> DOPub date,

-> M\_id int,

-> FOREIGN KEY(M\_id) REFERENCES Member(M\_id));

Query OK, 0 rows affected (0.06 sec)

mysql> DESC Books;

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

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

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

| Book\_id | int | NO | PRI | NULL | |

| bookname | varchar(50) | NO | | NULL | |

| bookauthor | varchar(30) | NO | | NULL | |

| bookpub | varchar(50) | YES | | NULL | |

| bookcost | decimal(8,2) | NO | | NULL | |

| DOPub | date | YES | | NULL | |

| M\_id | int | YES | MUL | NULL | |

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

7 rows in set (0.04 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CREATE QUERY FOR Issue TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> CREATE TABLE Issue(

-> M\_id int ,

-> Book\_id int ,

-> FOREIGN KEY(M\_id) REFERENCES member(M\_id),

-> FOREIGN KEY(Book\_id) REFERENCES Books(Book\_id),

-> PRIMARY KEY(M\_id,Book\_id),

-> issue\_date date NOT NULL,

-> return\_date date NOT NULL,

-> fine DECIMAL(5,2));

Query OK, 0 rows affected (0.05 sec)

mysql> DESC ISSUE;

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

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

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

| M\_id | int | NO | PRI | NULL | |

| Book\_id | int | NO | PRI | NULL | |

| issue\_date | date | NO | | NULL | |

| return\_date | date | NO | | NULL | |

| fine | decimal(5,2) | YES | | 0.00 | |

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

5 rows in set (0.00 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CREATE QUERY FOR staff TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> CREATE TABLE staff(

-> staff\_id int PRIMARY KEY,

-> staff\_name VARCHAR(30),

-> staff\_address VARCHAR(30),

-> staff\_gender VARCHAR(9));

Query OK, 0 rows affected (0.15 sec)

mysql> DESC STAFF;

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

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

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

| staff\_id | int | NO | PRI | NULL | |

| staff\_name | varchar(30) | YES | | NULL | |

| staff\_address | varchar(30) | YES | | NULL | |

| staff\_gender | varchar(9) | YES | | NULL | |

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

4 rows in set (0.00 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ALTER QUERY 1:To add column staff\_age

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> ALTER TABLE STAFF ADD staff\_age INT;

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> DESC STAFF;

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

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

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

| staff\_id | int | NO | PRI | NULL | |

| staff\_name | varchar(30) | YES | | NULL | |

| staff\_address | varchar(50) | YES | | NULL | |

| staff\_gender | varchar(9) | YES | | NULL | |

| staff\_age | int | YES | | NULL | |

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

5 rows in set (0.02 sec)

2:To modify datatype of staff\_address

mysql> ALTER TABLE STAFF MODIFY staff\_address text;

Query OK, 0 rows affected (0.11 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc staff;

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

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

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

| staff\_id | int | NO | PRI | NULL | |

| staff\_name | varchar(30) | YES | | NULL | |

| staff\_address | text | YES | | NULL | |

| staff\_gender | varchar(9) | YES | | NULL | |

| staff\_age | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

3:To change the constraint of staff\_name to NOT NULL:

mysql> ALTER TABLE staff MODIFY staff\_name varchar(30) NOT NULL;

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc staff;

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

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

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

| staff\_id | int | NO | PRI | NULL | |

| staff\_name | varchar(30) | NO | | NULL | |

| staff\_address | text | YES | | NULL | |

| staff\_gender | varchar(9) | YES | | NULL | |

| staff\_age | int | YES | | NULL | |

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

5 rows in set (0.02 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

INSERT QUERY FOR member TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> INSERT INTO member(M\_id,m\_name,m\_address,m\_phno) VALUES(101,"Gayatri Chaudhari","Chopda",'9348231232');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO member(m\_name,m\_address,m\_phno) VALUES("Dhiraj Chaudhari","Pune",'9348231672');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO member(m\_name,m\_address,m\_phno) VALUES("Ram Patil","Nagpur",'9343431672');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO member(m\_name,m\_address,m\_phno) VALUES("Priya Chavan","Hydrabaad",'9343231672');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO member(m\_name,m\_address,m\_phno) VALUES("Sharda Mahajan","Chennai",'7795231672');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO member(m\_name,m\_address,m\_phno) VALUES("Gauri Patel","Chalisgaon",'7795451672');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from member;

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

| M\_id | m\_name | m\_address | m\_phno |

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

| 101 | Gayatri Chaudhari | Chopda | 9348231232 |

| 102 | Dhiraj Chaudhari | Pune | 9348231672 |

| 103 | Ram Patil | Nagpur | 9343431672 |

| 104 | Priya Chavan | Hydrabaad | 9343231672 |

| 105 | Sharda Mahajan | Chennai | 7795231672 |

| 106 | Gauri Patel | Chalisgaon | 7795451672 |

| 107 | Kalpesh Bari | Kolkata | 937823564 |

| 108 | Nisha Deshmukh | Delhi | 738392964 |

| 109 | Shruti Patil | ShriNagar | 7454392964 |

| 110 | Suresh Chaudhari | Surat | 8899439424 |

| 111 | Nilima Patil | Porbandar | 8454439424 |

| 112 | Indumati | Bhopal | 9423453244 |

| 113 | Manisha Koli | Mumbai | 9533823564 |

| 114 | Apurva Patil | Jalgaon | 8993823564 |

| 115 | Tushar Patil | Gadchirolli | 8945674564 |

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

15 rows in set (0.00 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

INSERT QUERY FOR books TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> INSERT INTO books VALUES(1001,"Swami","Ranjit Desai","Mehta Publication",261.43,'2001-08-12',102);

Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO books VALUES(1002,"HTML","Benjamin","John Publication",300,'1998-12-20',112);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO books VALUES(1004,"Wings of Fire","Abdul Kalam Sir","Universities Press",400,'2008-03-20',101);

Query OK, 1 row affected (0.01 sec)

mysql> SELECT \* FROM books;

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

| Book\_id | bookname | bookauthor | bookpub | bookcost | DOPub | M\_id |

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

| 1001 | Swami | Ranjit Desai | Mehta Publication | 261.43 | 2001-08-12 | 102 |

| 1002 | HTML | Benjamin | John Publication | 300.00 | 1998-12-20 | 112 |

| 1004 | Wings of Fire | Abdul Kalam Sir | Universities Press | 400.00 | 2008-03-20 | 101 |

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

3 rows in set (0.00 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

INSERT QUERY FOR staff TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> INSERT INTO STAFF VALUES(201,"Nilofer Attar","Pune","Female",34);

Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO STAFF VALUES(202,"Mahendra deore","Banglore","Male",40);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(203,"Madhuri Tasgonkar","Mumbai","Female",54);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(204,"Vikas Hajare","Narayangaon","Male",54);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(205,"Supriya Kelkar","Indore","Female",45);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(206,"Aparna Hajare","Jalgaon","Female",45);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(207,"Pooja Deshmukh","Hydrabaad","Female",34);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(208,"Chhaya Gosavi","Mysore","Female",43);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(209,"Prakash Date","Chandrapur","Male",46);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(210,"Neha Deshpande","Aurangabaad","Female",45);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(211,"Yogini Kulkarni","Soygaon","female",47);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(212,"Aashutosh Muchrikar","Ooty","Male",43);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(213,"Shilpa Pant","Kolkata","Male",39);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO STAFF VALUES(214,"Shilpa Pant","Kolkata","Female",40);

Query OK, 1 row affected (0.01 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

DELETE QUERY FOR PARTICULAR ROW:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> DELETE FROM STAFF WHERE STAFF\_ID=213;

Query OK, 1 row affected (0.02 sec)

mysql> SELECT \* FROM STAFF;

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

| staff\_id | staff\_name | staff\_address | staff\_gender | staff\_age |

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

| 201 | Nilofer Attar | Pune | Female | 34 |

| 202 | Mahendra deore | Banglore | Male | 40 |

| 203 | Madhuri Tasgonkar | Mumbai | Female | 54 |

| 204 | Vikas Hajare | Narayangaon | Male | 54 |

| 205 | Supriya Kelkar | Indore | Female | 45 |

| 206 | Aparna Hajare | Jalgaon | Female | 45 |

| 207 | Pooja Deshmukh | Hydrabaad | Female | 34 |

| 208 | Chhaya Gosavi | Mysore | Female | 43 |

| 209 | Prakash Date | Chandrapur | Male | 46 |

| 210 | Neha Deshpande | Aurangabaad | Female | 45 |

| 211 | Yogini Kulkarni | Soygaon | female | 47 |

| 212 | Aashutosh Muchrikar | Ooty | Male | 43 |

| 214 | Shilpa Pant | Kolkata | Female | 40 |

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

13 rows in set (0.00 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

INSERT QUERY FOR issue TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> INSERT INTO issue VALUES(112,1002,'2021-05-25','2021-05-30',0.00);

Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO issue VALUES(105,1004,'2021-12-13','2021-12-20',0.00);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO issue VALUES(102,1002,'2021-8-29','2021-9-6',0.00);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO issue VALUES(103,1002,'2021-03-15','2021-03-30',0.00);

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO issue VALUES(101,1001,'2001-9-12','2001-9-30',0.00);

Query OK, 1 row affected (0.01 sec)

mysql> SELECT \* FROM ISSUE;

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

| M\_id | Book\_id | issue\_date | return\_date | fine |

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

| 101 | 1001 | 2001-09-12 | 2001-09-30 | 0.00 |

| 102 | 1002 | 2021-08-29 | 2021-09-06 | 0.00 |

| 103 | 1002 | 2021-03-15 | 2021-03-30 | 0.00 |

| 105 | 1004 | 2021-12-13 | 2021-12-20 | 0.00 |

| 112 | 1002 | 2021-05-25 | 2021-05-30 | 0.00 |

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

5 rows in set (0.00 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

DROP COLUMN staff\_age FROM STAFF TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> ALTER TABLE staff DROP COLUMN staff\_age;

Query OK, 0 rows affected (0.19 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from staff;

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

| staff\_id | staff\_name | staff\_address | staff\_gender |

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

| 201 | Nilofer Attar | Pune | Female |

| 202 | Mahendra deore | Banglore | Male |

| 203 | Madhuri Tasgonkar | Mumbai | Female |

| 204 | Vikas Hajare | Narayangaon | Male |

| 205 | Supriya Kelkar | Indore | Female |

| 206 | Aparna Hajare | Jalgaon | Female |

| 207 | Pooja Deshmukh | Hydrabaad | Female |

| 208 | Chhaya Gosavi | Mysore | Female |

| 209 | Prakash Date | Chandrapur | Male |

| 210 | Neha Deshpande | Aurangabaad | Female |

| 211 | Yogini Kulkarni | Soygaon | female |

| 212 | Aashutosh Muchrikar | Ooty | Male |

| 214 | Shilpa Pant | Kolkata | Female |

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

13 rows in set (0.00 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

DROP TABLE:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> DROP TABLE Books;

Query OK, 0 rows affected (0.05 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

DROP DATABASE;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

mysql> DROP DATABASE LibraryManagementSystem;

Query OK, 0 rows affected (0.11 sec)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*