```
1NF:
  ysql> CREATE TABLE EMP(SINO INT NOT NULL PRIMARY KEY,EMP_ID INT, EMP_NAME VARCHAR(20), EMP_PHONE INT);
very OK, 0 rows affected (0.10 sec)
  ysql> DESC EMP;
                                         | Null | Key | Default | Extra |
   Field
                                                                NULL
NULL
   EMP ID
mysql> INSERT INTO EMP VALUES (111,6001,'ABHI',987652340);
Query OK, 1 row affected (0.01 sec)
 mysql> INSERT INTO EMP VALUES (112,6002,'ARUN',922252340);
Query OK, 1 row affected (0.01 sec)
 mysql> INSERT INTO EMP VALUES (113,6003,'ANU',922252340);
Query OK, 1 row affected (0.01 sec)
 ysql> INSERT INTO EMP VALUES (114,NULL,NULL,922252340);
uery OK, 1 row affected (0.00 sec)
   SLNO | EMP_ID | EMP_NAME | EMP_PHONE
                6001
6002
6003
NULL
                        ABHI
ARUN
ANU
NULL
                                             987652340
922252340
922252340
922252340
   rows in set (0.00 sec)
 mysql> CREATE TABLE EMP1(EMP_ID INT NOT NULL,EMP_NAME VARCHAR(20),EMP_PHONE INT);
Query OK, 0 rows affected (0.08 sec)
 ysql> INSERT INTO EMP1 VALUES (6001,'ABHI',987652340);
wery OK, 1 row affected (0.01 sec)
 ysql> INSERT INTO EMP1 VALUES (6002, 'ARUN',922252430); wery OK, 1 row affected (0.01 sec)
 mysql> INSERT INTO EMP1 VALUES (6003,'ANU',922252430);
Duery OK, 1 row affected (0.00 sec)
 ysql> INSERT INTO EMP1 VALUES (6003,'ANU',922252430);
uuery OK, 1 row affected (0.01 sec)
```

```
ysql> SELECT * FROM EMP1L
-> SELECT * FROM EMP1;
RROR 1864 (42808): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'SE ECT * FROM EMP1' at line 2
ysql> SELECT * FROM EMP1;
 EMP_ID | EMP_NAME | EMP_PHONE |
                                987652340
922252430
922252430
922252430
            ABHI
ARUN
ANU
ANU
  rows in set (0.00 sec)
```

```
EMP_ID | EMP_NAME | EMP_PHONE
                                     987652340
922252340
922252340
922252340
            6003 | ANU
NULL | NULL
       in set (0.00 sec)
          ABHI
ARUN
ANU
ANU
                           987652340
922252430
922252430
922252430
 rows in set (0.00 sec)
ysql> SELECT * FROM EMP1 WHERE EMP_ID=6003;
EMP_ID | EMP_NAME | EMP_PHONE
   6003 | ANU
6003 | ANU
rows in set (0.00 sec)
```

Inserting values in the table library:

Inserting values in to the table books:

```
mysql> INSERT INTO BOOKS(21, 'PYTHON');
ERROR 1864 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '21, 'PYTHON',' at line 1
mysql> INSERT INTO BOOKS VALUES(21, 'PYTHON');
Query OK, 1 row affected (8.29 sec)
mysql> INSERT INTO BOOKS VALUES(22, 'JAVA');
Query OK, 1 row affected (8.00 sec)
mysql> INSERT INTO BOOKS VALUES(23, 'SQL');
Query OK, 1 row affected (8.00 sec)
mysql> INSERT INTO BOOKS VALUES(24, 'DBMS');
Query OK, 1 row affected (8.01 sec)
mysql> INSERT INTO BOOKS VALUES(24, 'DBMS');
Query OK, 1 row affected (8.01 sec)
mysql> INSERT INTO BOOKS VALUES(34, 'DBMS');
Query OK, 1 row affected (8.01 sec)
mysql> SELECT * FROM BOOKS;

| BOOKID | BOOKNAME |
| 21 | PYTHON |
| 22 | JAVA |
| 23 | SQL |
| 24 | DBMS |
| 4 rows in set (8.00 sec)
```

Inserting values in to the table std1:

```
ysql> INSERT INTO STD1 VALUES (1,11,21, 'CSE',25)
 Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO STD1 VALUES (2,11,22,'EC',24);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO STD1 VALUES (3,12,23,'EC',47);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO STD1 VALUES 4,13,24,'EC',47);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '4,
13,24,'EC',47)' at line 1
mysql> INSERT INTO STD1 VALUES (4,13,24,'EC',47);
Query OK, 1 row affected (0.01 sec)
 nysql> SELECT * FROM STD1;
   SID | ID | BOOKID | BRANCH | MARKS |
```



TABLES DESC:

```
ID | NAME
11 | AK
12 | BK
13 | CK
14 | DK
BOOKID | BOOKNAME
      21 | PYTHON
22 | JAVA
23 | SQL
24 | DBMS
rows in set (0.00 sec)
/sql> SELECT * FROM STD1;
 SID | ID | BOOKID | BRANCH | MARKS |
                         21 | CSE
22 | EC
23 | EC
24 | EC
24 | CV
 rows in set (0.00 sec)
```

QUERIES:

3NF:



