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CLASS – TE-IT
BATCH - T2
ROLL NO – 7048

```
mysql> show tables;
+---------------+
| Tables_in_lms |
+---------------+
| book          |
| librarian     |
| staff         |
| student       |
+---------------+
4 rows in set (0.00 sec)
```

```
mysql> select * from book;
+------+-----------+-------------+-------------+------------+-------+--------+
| b_id | b_name    | author      | publication | isbn       | price | copies |
+------+-----------+-------------+-------------+------------+-------+--------+
| 5871 | Let Us C  | Kanetkar    | Ocean       | 9812377456 | 500   | 100    |
| 3969 | OOP in C++| Balagurusamy| KPP         | 7219186999 | 800   | 200    |
| 4106 | Java      | Schildt     | Pearson     | 6534186786 | 1200  | 50     |
| 2909 | HTML      | Moschini    | Pearson     | 9817186369 | 1000  | 80     |
| 8421 | 8085      | Stalling    | Oxford      | 9743286369 | 400   | 5      |
+------+-----------+-------------+-------------+------------+-------+--------+
5 rows in set (0.00 sec)
```

```
mysql> select * from staff;
+------+--------+---------+-------+------------+-------------+
| s_id | s_name | dept    | desig | issue_date | return_date |
+------+--------+---------+-------+------------+-------------+
| 1111 | Bob    | Math    | Prof  | 2019-01-01 | 2019-06-01  |
| 1234 | Jack   | IT      | HOD   | 2019-01-01 | 2019-06-01  |
| 5871 | Vikram | Physics | HOD   | 2019-03-31 | 2019-08-15  |
| 8769 | Ravi   | Mech    | Prof  | 2019-06-18 | 2019-08-20  |
| 9999 | Steph  | Elec    | Prof  | 2019-03-31 | 2019-05-04  |
+------+--------+---------+-------+------------+-------------+
```

5 rows in set (0.00 sec)

Query – Display list of staff from IT dept.

```
mysql> select * from staff where dept='IT';
+------+--------+------+-------+------------+-------------+
| s_id | s_name | dept | desig | issue_date | return_date |
+------+--------+------+-------+------------+-------------+
| 1234 | Jack   | IT   | HOD   | 2019-01-01 | 2019-06-01  |
| 3421 | Alice  | IT   | Prof  | 2019-01-01 | 2019-06-01  |
+------+--------+------+-------+------------+-------------+
2 rows in set (0.00 sec)
```

Query – Display all books having no. Of copies more than 10

```
mysql> select * from book where copies>'10';
+------+-----------+-------------+-------------+------------+-------+--------+
| b_id | b_name    | author      | publication | isbn       | price | copies |
+------+-----------+-------------+-------------+------------+-------+--------+
| 5871 | Let Us C  | Kanetkar    | Ocean       | 9812377456 | 500   | 100    |
| 3969 | OOP in C++| Balagurusamy| KPP         | 7219186999 | 800   | 200    |
| 4106 | Java      | Schildt     | Pearson     | 6534186786 | 1200  | 50     |
| 2909 | HTML      | Moschini    | Pearson     | 9817186369 | 1000  | 80     |
+------+-----------+-------------+-------------+------------+-------+--------+
4 rows in set (0.00 sec)
```

Query – Display publication of book whose price is less than 500

```
mysql> select publication from book where price<'500';
+-------------+
| publication |
+-------------+
| Oxford      |
+-------------+
1 row in set (0.00 sec)
```

Query – Default value of price should be zero

```
mysql> alter table book alter price set default '0';
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> insert into book(b_name) values('GoT');
```

```
Query OK, 1 row affected (0.10 sec)

mysql> select * from book;
+------+-----------+-------------+-------------+------------+------
----+--------+
| b_id | b_name    | author      | publication | isbn       |
price | copies |
+------+-----------+-------------+-------------+------------+------
----+--------+
| 5871 | Let Us C  | Kanetkar    | Ocean       | 9812377456 |
500 |    100 |
| 3969 | OOP in C++ | Balagurusamy | KPP        | 7219186999 |
800 |    200 |
| 4106 | Java      | Schildt     | Pearson     | 6534186786 |
1200 |     50 |
| 2909 | HTML      | Moschini    | Pearson     | 9817186369 |
1000 |     80 |
| 8421 | 8085      | Stalling    | Oxford      | 9743286369 |
400 |      5 |
| NULL | GoT       | NULL        | NULL        | NULL       |
0 |   NULL |
+------+-----------+-------------+-------------+------------+------
----+--------+
6 rows in set (0.00 sec)
```

Query – Create a new record using set in staff table (id='5555' and name='xyz')

```
mysql> insert into staff set s_id='5555',s_name='xyz';
Query OK, 1 row affected (0.01 sec)

mysql> select * from staff;
+------+--------+---------+-------+------------+-------------+
| s_id | s_name | dept    | desig | issue_date | return_date |
+------+--------+---------+-------+------------+-------------+
| 1111 | Bob    | Math    | Prof  | 2019-01-01 | 2019-06-01  |
| 1234 | Jack   | IT      | HOD   | 2019-01-01 | 2019-06-01  |
| 5555 | xyz    | NULL    | NULL  | NULL       | NULL        |
| 5871 | Vikram | Physics | HOD   | 2019-03-31 | 2019-08-15  |
| 8769 | Ravi   | Mech    | Prof  | 2019-06-18 | 2019-08-20  |
| 9999 | Steph  | Elec    | Prof  | 2019-03-31 | 2019-05-04  |
+------+--------+---------+-------+------------+-------------+
6 rows in set (0.00 sec)
```