// Author: Durvesh Malpure 31139

// DBMSL Assignment 3

The tables:

```
mysql> insert into publisher values(10,'Suresh','Thane',2010);
Query OK, 1 row affected (0.10 sec)

mysql> select * from publisher;
+--------------+----------------+---------------+-------+
| publisher_no | publisher_name | publisher_add | pyear |
+--------------+----------------+---------------+-------+
|            1 | Omkar          | Katraj        |  2001 |
|            2 | Mahesh         | Dhankawadi    |  2002 |
|            3 | Ram            | Delhi         |  2003 |
|            4 | Sham           | Pune          |  2004 |
|            5 | Om             | Noida         |  2005 |
|            6 | Johann         | LA            |  2006 |
|            7 | Lal            | Mumbai        |  2007 |
|            8 | Dinesh         | Varanasi      |  2008 |
|            9 | Ramesh         | Chennai       |  2009 |
|           10 | Suresh         | Thane         |  2010 |
+--------------+----------------+---------------+-------+
10 rows in set (0.00 sec)

mysql> select * from author;
+-----------+-------------+-----------+
| author_no | auther_name | country   |
+-----------+-------------+-----------+
|         1 | pratik      | India     |
|         2 | Amish       | India     |
|         3 | Chetan      | India     |
|         4 | JRRTolkien  | England   |
|         5 | GRRM        | USA       |
|         6 | Shakespear  | USA       |
|         7 | JKRowling   | England   |
|         8 | DrSeuss     | USA       |
|         9 | Stephen K   | USA       |
|        10 | Carter      | Australia |
+-----------+-------------+-----------+
10 rows in set (0.04 sec)

mysql> select * from Customer;
+---------+------------+------------+--------------+-----------------+-----------+------------+
| cust_no | cust_fname | cust_lname | cust_company | cust_addr       | city      | cust_phone |
+---------+------------+------------+--------------+-----------------+-----------+------------+
|       1 | Durvesh    | Malpure    | Tesla        | Nashik-PINCODE  | nashik    | 1234567890 |
|       2 | Shubham    | Gawade     | abc          | Shubhams address| karmala   | 2468013579 |
|       3 | Aditi      | Mantri     | bcd          | Aditis address  | latur     | 2222222222 |
|       4 | John       | Doe        | SpaceX       | Johns address   | LA        | 3333333333 |
|       5 | Elon       | Musk       | Boring       | Elons address   | LA        | 4444444444 |
|       6 | Narendra   | Modi       | BJP          | Modis address   | Delhi     | 55555      |
|       7 | Amit       | Shah       | BJP          | Amits address   | Delhi     | 6666       |
|       8 | Rahul      | Gandhi     | Congress     | Rahuls address  | Delhi     | 7777       |
```

```
|       2 | Shubham    | Gawade     | abc          | Shubhams address| karmala   | 2468013579 |
|       3 | Aditi      | Mantri     | bcd          | Aditis address  | latur     | 2222222222 |
|       4 | John       | Doe        | SpaceX       | Johns address   | LA        | 3333333333 |
|       5 | Elon       | Musk       | Boring       | Elons address   | LA        | 4444444444 |
|       6 | Narendra   | Modi       | BJP          | Modis address   | Delhi     | 55555      |
|       7 | Amit       | Shah       | BJP          | Amits address   | Delhi     | 6666       |
|       8 | Rahul      | Gandhi     | Congress     | Rahuls address  | Delhi     | 7777       |
|       9 | Frodo      | Baggins    | LOTR         | The shire       | The shire | 888        |
|      10 | Bilbo      | Baggins    | LOTR         | The shire       | The shire | 99         |
+---------+------------+------------+--------------+-----------------+-----------+------------+
10 rows in set (0.02 sec)

mysql> select * from book;
+-----------+----------------------+------------+-----------+--------------+----------+
| ISBN      | title                | unit_price | auther_no | publisher_no | pub_year |
+-----------+----------------------+------------+-----------+--------------+----------+
| 1122-3311 | Romeo and Juliet     |        700 |         6 |            6 |     2006 |
| 1122-3322 | Australian Adventure |        500 |        10 |           10 |     2010 |
| 1122-3323 | Harry Potter         |        300 |         7 |            7 |     2007 |
| 1122-3324 | Some childrens book  |        300 |         7 |            7 |     2008 |
| 1122-3325 | The shining          |        400 |         8 |            8 |     2009 |
| 1122-3333 | GOT                  |        700 |         5 |            5 |     2005 |
| 1122-3349 | LOTR                 |        600 |         4 |            4 |     2004 |
| 1122-3456 | DBMS                 |        500 |         1 |            1 |     2001 |
| 1122-3457 | suheldev             |        500 |         2 |            2 |     2002 |
| 1122-3459 | Half-girlfriend      |        400 |         3 |            3 |     2003 |
+-----------+----------------------+------------+-----------+--------------+----------+
10 rows in set (0.04 sec)

mysql> select * from orders;
+----------+---------+-----------+-----+------------+
| order_no | cust_no | ISBN      | Qty | odate      |
+----------+---------+-----------+-----+------------+
|        1 |       1 | 1122-3456 |   2 | 2020-09-11 |
|        2 |       2 | 1122-3457 |   3 | 2020-09-12 |
|        3 |       4 | 1122-3459 |   1 | 2020-09-12 |
|        4 |       6 | 1122-3349 |   5 | 2020-09-12 |
|        5 |       8 | 1122-3333 |   1 | 2020-09-13 |
|        6 |       9 | 1122-3311 |   2 | 2020-09-13 |
|        7 |       3 | 1122-3323 |   4 | 2020-09-13 |
|        8 |       5 | 1122-3324 |   2 | 2020-09-14 |
|        9 |       7 | 1122-3325 |   3 | 2020-09-14 |
|       10 |       9 | 1122-3322 |   2 | 2020-09-14 |
+----------+---------+-----------+-----+------------+
10 rows in set (0.04 sec)

mysql>
```

Queries:

mysql> select * from Customer where city='Pune' or city='Mumbai' or cust_fname like 'p%' or cust_fname like 'h%';

```
+---------+------------+------------+--------------+----------------+-----------+------------+
| cust_no | cust_fname | cust_lname | cust_company | cust_addr      | city      | cust_phone |
+---------+------------+------------+--------------+----------------+-----------+------------+
|       2 | Ram        | Kumar      | Sham         | Pune           | Pune      | 8787       |
|       3 | Aditi      | Mantri     | bcd          | Aditis address | Mumbai    | 2222222222 |
|       4 | Sham       | Kulkarni   | Ram          | Pune           | Pune      | 55551      |
|       5 | Phineas    | Musk       | Boring       | Elons address  | Mumbai    | 444444444  |
|       9 | Henry      | Baggins    | LOTR         | The shire      | The shire | 888        |
|      10 | Hector     | Baggins    | LOTR         | The shire      | The shire | 99         |
+---------+------------+------------+--------------+----------------+-----------+------------+
6 rows in set (0.08 sec)


mysql> select distinct city from Customer;
+-----------+
| city      |
+-----------+
| Nashik    |
| Pune      |
| Mumbai    |
| Delhi     |
| The shire |
+-----------+
5 rows in set (0.00 sec)


mysql> update book set unit_price=unit_price*1.05 where pub_year=2015;
Query OK, 2 rows affected (0.14 sec)
Rows matched: 2  Changed: 2  Warnings: 0


mysql> delete from customer where city='Pune';
Query OK, 2 rows affected (0.38 sec)
```

```
mysql> select author_name from author where country='India'
    ->     -> union
    ->     -> union^C
mysql> select author_name from author where country='India'
    -> union
    -> select author_name from author where country='Australia';
+-------------+
| author_name |
+-------------+
| pratik      |
| Amish       |
| Chetan      |
| Carter      |
+-------------+
4 rows in set (0.06 sec)


mysql> select * from publisher where pyear in (2015,2016);
+--------------+----------------+---------------+-------+
| publisher_no | publisher_name | publisher_add | pyear |
+--------------+----------------+---------------+-------+
|        4 | Sham           | Pune          | 2015 |
|        5 | Om             | Noida         | 2016 |
+--------------+----------------+---------------+-------+
2 rows in set (0.03 sec)


mysql> select *,max(unit_price) from book;
+-----------+-----------------+------------+-----------+--------------+----------+-----------------+
| ISBN      | title           | unit_price | author_no | publisher_no | pub_year | max(unit_price) |
+-----------+-----------------+------------+-----------+--------------+----------+-----------------+
| 1122-3311 | Romeo and Juliet |     700 |     6 |        6 |   2006 |        700 |
+-----------+-----------------+------------+-----------+--------------+----------+-----------------+
```

1 row in set (0.09 sec)

mysql> select * from book where unit_price between 300 and 400;

```
+-----------+--------------------+------------+-----------+--------------+----------+
| ISBN      | title              | unit_price | author_no | publisher_no | pub_year |
+-----------+--------------------+------------+-----------+--------------+----------+
| 1122-3323 | Harry Potter       |        300 |         7 |            7 |     2007 |
| 1122-3324 | Some childrens book |       386 |         8 |            8 |     2015 |
| 1122-3325 | The shining        |        400 |         9 |            9 |     2000 |
| 1122-3459 | Half-girlfriend    |        375 |         3 |            3 |     2004 |
+-----------+--------------------+------------+-----------+--------------+----------+
```
4 rows in set (0.01 sec)

mysql> select title,unit_price,pub_year from book order by pub_year desc;

```
+----------------------+------------+----------+
| title                | unit_price | pub_year |
+----------------------+------------+----------+
| DBMS                 |        500 |     2018 |
| LOTR                 |        600 |     2017 |
| GOT                  |        700 |     2016 |
| Australian Adventure |        551 |     2015 |
| Some childrens book  |        386 |     2015 |
| Harry Potter         |        300 |     2007 |
| Romeo and Juliet     |        700 |     2006 |
| Half-girlfriend      |        375 |     2004 |
| suheldev             |        500 |     2002 |
| The shining          |        400 |     2000 |
+----------------------+------------+----------+
```
10 rows in set (0.00 sec)

mysql> select title,author_no,publisher_no from book where pub_year in (2000,2004,2006);

```
+------------------+-----------+--------------+
| title            | author_no | publisher_no |
+------------------+-----------+--------------+
| Romeo and Juliet |         6 |            6 |
| The shining      |         9 |            9 |
| Half-girlfriend  |         3 |            3 |
+------------------+-----------+--------------+
3 rows in set (0.00 sec)
```