// Author: Durvesh Malpure 31139

// DBMSL Assignment 4

mysql> select \* from customer natural join orders;

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

| cust\_no | cust\_fname | cust\_lname | cust\_company | cust\_addr | city | cust\_phone | order\_no | ISBN | Qty | odate |

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

| 1 | Durvesh | Malpure | Tesla | Nashik-PINCODE | Nashik | 1234567890 | 1 | 1122-3456 | 2 | 2020-09-11 |

| 2 | Ram | Kumar | Sham | Pune | Pune | 8787 | 2 | 1122-3457 | 3 | 2020-09-12 |

| 4 | Sham | Kulkarni | Ram | Pune | Pune | 55551 | 3 | 1122-3459 | 1 | 2020-09-12 |

| 6 | Narendra | Modi | BJP | Modis address | Delhi | 55555 | 4 | 1122-3349 | 5 | 2020-09-12 |

| 8 | Rahul | Gandhi | Congress | Rahuls address | Delhi | 7777 | 5 | 1122-3333 | 1 | 2020-09-13 |

| 9 | Henry | Baggins | LOTR | The shire | The shire | 888 | 6 | 1122-3311 | 2 | 2020-09-13 |

| 3 | Aditi | Mantri | bcd | Aditis address | Mumbai | 2222222222 | 7 | 1122-3323 | 4 | 2020-09-13 |

| 5 | Phineas | Musk | Boring | Elons address | Mumbai | 444444444 | 8 | 1122-3324 | 2 | 2020-09-14 |

| 7 | Amit | Shah | BJP | Amits address | Delhi | 6666 | 9 | 1122-3325 | 3 | 2020-09-14 |

| 9 | Henry | Baggins | LOTR | The shire | The shire | 888 | 10 | 1122-3322 | 2 | 2020-09-14 |

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

10 rows in set (0.08 sec)

mysql> select title,author\_name,country from book natural join author;

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

| title | author\_name | country |

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

| Romeo and Juliet | Shakespear | USA |

| Australian Adventure | Carter | Australia |

| Harry Potter | JKRowling | England |

| Some childrens book | DrSeuss | USA |

| The shining | Stephen K | USA |

| GOT | GRRM | USA |

| LOTR | JRRTolkien | England |

| DBMS | pratik | India |

| suheldev | Amish | India |

| Half-girlfriend | Chetan | India |

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

10 rows in set (0.07 sec)

mysql> select cust\_no,cust\_fname,order\_no from customer left join orders using(cust\_no) where order\_no is NULL;

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

| cust\_no | cust\_fname | order\_no |

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

| 10 | Hector | NULL |

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

1 row in set (0.00 sec)

mysql> select title,ISBN,order\_no from book left join orders using(ISBN) where order\_no is NULL;

Empty set (0.00 sec)

mysql> select c.cust\_fname,b.title,o.order\_no,b.pub\_year from book b inner join orders o on b.ISBN=o.ISBN inner join customer c on c.cust\_no=o.cust\_no where b.ISBN='1122-3349';

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

| cust\_fname | title | order\_no | pub\_year |

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

| Narendra | LOTR | 4 | 2017 |

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

1 row in set (0.00 sec)

mysql> select cust\_fname,sum(qty) from customer natural join orders group by cust\_fname;

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

| cust\_fname | sum(qty) |

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

| Durvesh | 2 |

| Ram | 3 |

| Sham | 1 |

| Narendra | 5 |

| Rahul | 1 |

| Henry | 4 |

| Aditi | 4 |

| Phineas | 2 |

| Amit | 3 |

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

9 rows in set (0.09 sec)

mysql> select c.cust\_no,o.order\_no,b.ISBN from orders o inner join book b on b.ISBN=o.ISBN inner join customer c on c.cust\_no=o.cust\_no where b.title="The shining";

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

| cust\_no | order\_no | ISBN |

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

| 7 | 9 | 1122-3325 |

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

1 row in set (0.00 sec)

mysql> select c.cust\_company from customer c inner join orders o on c.cust\_no=o.cust\_no where odate like "2015%";

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

| cust\_company |

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

| BJP |

| bcd |

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

2 rows in set (0.00 sec)

mysql> create view complex\_view as select author.author\_no,author.author\_name,book.title,book.ISBN from author left join book on author.author\_no=book.author\_no;

Query OK, 0 rows affected (0.21 sec)

mysql> create view simple\_customer\_view as select customer.cust\_no,customer.cust\_fname,customer.cust\_lname,customer.cust\_company from customer;

Query OK, 0 rows affected (0.18 sec)

mysql> insert into simple\_customer\_view values(11,"hjvjhd","gvjhvw","jyjyujd");

Query OK, 1 row affected (0.15 sec)

mysql> update simple\_customer\_view set cust\_fname="Sham",cust\_lname="Kulkarni" where cust\_no=11;

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> delete from simple\_customer\_view where cust\_no=11;

Query OK, 1 row affected (0.20 sec)

mysql> drop view simple\_customer\_view;

Query OK, 0 rows affected (0.52 sec)