ASSIGNMENT NO: 2B

mysql> INSERT INTO customer VALUES(1,'Sanket','Loni',99999,'Pune',' Maharashtra'),(2,'Suyash','XYZ',14569,'Aurangabad','Maharashtra'),(3,'Vishal','ABC',234567,'Solapur',' Maharashtra'),(4,'Rutvik','Baner',345678,'Pune',' Maharashtra');

Query OK, 4 rows affected (0.12 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM customer;

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

| ct\_id | name | street | zip\_code | city | state |

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

| 1 | Sanket | Loni| 999999 | Pune | Maharashtra |

| 2 | Suyash | XYZ | 14569 | Aurangabad | Maharashtra |

| 3 | Vishal | ABC | 234567 | Solapur | Maharashtra|

| 4 | Rutvik | Baner | 345678 | Pune | Maharashtra|

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

4 rows in set (0.00 sec)

mysql> INSERT INTO orders VALUES(1,'2000-01-01','Loni','Pune','Maharashtra',99999,1,'2000-02-02'),(2,'2001-02-02','XYZ','Aurangabad',' Maharashtra',14569,2,'2001-03-03'),(3,'2004-04-04','Baner','Pune','Maharashtra',345678,4,'2005-05-05');

Query OK, 3 rows affected (0.11 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO orders VALUES(4,'2006-06-06','ABC','Solapur',' Maharashtra',234567,3,'2007-07-07'),(5,'2006-06-06','Loni','Pune',' Maharashtra',99999,1,'2008-08-08');

Query OK, 2 rows affected (0.12 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> INSERT INTO stock VALUES(1,13,5000),(2,5,10000),(3,18,20000),(4,3,40000),(5,21,30000);

Query OK, 5 rows affected (0.03 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM stock;

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

| st\_id | tax | price |

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

| 1 | 13 | 5000 |

| 2 | 5 | 10000 |

| 3 | 18 | 20000 |

| 4 | 3 | 40000 |

| 5 | 21 | 30000 |

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

5 rows in set (0.00 sec)

mysql> INSERT INTO contain VALUES(1,1,10,45000,10),(1,2,5,5000,13),(2,3,20,19000,4),(4,4,15,40000,3),(5,5,2,2000,21);

Query OK, 5 rows affected (0.03 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM contain;

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

| st\_id | o\_id | quantity | price | discount |

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

| 1 | 1 | 10 | 45000 | 10 |

| 1 | 2 | 5 | 5000 | 13 |

| 2 | 3 | 20 | 19000 | 4 |

| 4 | 4 | 15 | 40000 | 3 |

| 5 | 5 | 2 | 2000 | 21 |

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

5 rows in set (0.00 sec)

mysql> INSERT INTO phone VALUES(1,9516644000),(1,26800238),(2,7985697509),(2,26800248),(3,8377066666),(4,07246789054);

Query OK, 6 rows affected (0.12 sec)

Records: 6 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM phone;

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

| ct\_id | phone\_no |

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

| 1 | 9516644000 |

| 1 | 26800238 |

| 2 | 7985697509 |

| 2 | 26800248 |

| 3 | 8377066666 |

| 4 | 7246789054 |

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

6 rows in set (0.00 sec)

**Q-1: Display the customer details including their contact information who reside in ‘Maharashtra’**

state(Using joins and sub-query).

mysql> SELECT \* FROM customer NATURAL JOIN phone WHERE state='MAHARASHTRA';

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

| c\_id | name | street | zip\_code | city | state | phone\_no |

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

| 2 | Suyash | XYZ | 14569 | Aurangabad | Maharashtra | 7985697509 |

| 2 | Suyash | XYZ | 14569 | Aurangabad | Maharashtra | 26800248 |

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

2 rows in set (0.00 sec)

**Q-2: Display all purchase orders placed by the customer ‘sanket’.**

mysql> SELECT orders.o\_id,dofo,to\_street,to\_city,to\_zip\_code,shit\_date FROM orders WHERE c\_id IN(SELECT c\_id FROM customer WHERE name='sanket');

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

| o\_id | dofo | to\_street | to\_city | to\_zip\_code | shit\_date |

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

| 1 | 2000-01-01 | Loni | Pune | 99999 | 2000-02-02 |

| 5 | 2006-06-06 | Loni | Pune | 99999 | 2008-08-08 |

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

2 rows in set (0.01 sec)

**Q-3:Display Customer and stock items information for a Specific Purchase Order.**

mysql> SELECT c.name,s.st\_id,s.price FROM customer c INNER JOIN orders o INNER JOIN contain co INNER JOIN stock s ON o.c\_id=c.c\_id AND co.o\_id=o.o\_id AND co.st\_id=s.st\_id GROUP BY co.o\_id;

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

| name | st\_id | price |

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

| Sanket | 1 | 5000 |

| Suyash | 1 | 5000 |

| Rutvik | 2 | 10000 |

| Vishal | 4 | 40000 |

| Sanket | 5 | 30000 |

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

5 rows in set (0.01 sec)

**Q-4: List the Purchase Orders in descending order as per total amount.**

mysql> SELECT c.name,sum(((s.price\*co.quantity)+s.tax)-co.discount) as total FROM customer c INNER JOIN orders o INNER JOIN contain co INNER JOIN stock s ON o.c\_id=c.c\_id AND co.o\_id=o.o\_id AND co.st\_id=s.st\_id GROUP BY co.o\_id ORDER BY total desc;

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

| name | total |

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

| Vishal | 600000 |

| Rutvik | 200001 |

| Sanket | 60000 |

| Sanket | 50003 |

| Suyash | 25000 |

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

5 rows in set (0.00 sec)

**Q-5: Display the customer names with contact details where the shipment date exceeds the order date by 10 days.**

mysql> SELECT c.name,p.phone\_no,o.dofo,o.shit\_date,s.price,co.quantity FROM customer c INNER JOIN orders o INNER JOIN contain co INNER JOIN stock s INNER JOIN phone p ON o.c\_id=c.c\_id AND co.o\_id=o.o\_id AND co.st\_id=s.st\_id AND p.c\_id=c.c\_id AND(shit\_date-dofo)>10 GROUP BY co.o\_id;

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

| name | phone\_no | dofo | shit\_date | price | quantity |

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

| Sanket | 9516644000 | 2000-01-01 | 2000-02-02 | 5000 | 10 |

| Suyash | 7985697509 | 2001-02-02 | 2001-03-03 | 5000 | 5 |

| Rutvik | 7246789054 | 2004-04-04 | 2005-05-05 | 10000 | 20 |

| Vishal | 8377066666 | 2006-06-06 | 2007-07-07 | 40000 | 15 |

| Sanket | 9516644000 | 2006-06-06 | 2008-08-08 | 30000 | 2 |

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

5 rows in set (0.00 sec)

**Q-6: Display the unique names of customers who have placed orders.**

mysql> SELECT DISTINCT name FROM customer NATURAL JOIN orders GROUP BY name;

+--------+

| name |

+--------+

| Rutvik |

| Sanket |

| Suyash |

| Vishal |

+--------+

4 rows in set (0.00 sec)

**Q-7: Display the customer names starting with ‘s\_y’ followed by any number of characters;**

mysql> SELECT name FROM customer WHERE name LIKE 's\_y%';

+--------+

| name |

+--------+

| Suyash |

+--------+

1 row in set (0.00 sec)

**Q-8:Display stock whose quantity is in the range of 4500 to 10000.**

mysql> SELECT st\_id,tax FROM stock WHERE price BETWEEN 4500 AND 10000;

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

| st\_id | tax |

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

| 1 | 13 |

| 2 | 5 |

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

2 rows in set (0.05 sec)

**Q-9: Display the total bill amount for the orders placed by the customer - “sanket”.**

mysql> SELECT sum(((s.price\*co.quantity)+s.tax)-co.discount)AS total\_amount,c.name FROM customer c INNER JOIN orders o INNER JOIN stock s INNER JOIN contain co ON c.c\_id=o.c\_id AND co.o\_id=o.o\_id AND co.st\_id=s.st\_id AND c.name='sanket' GROUP BY co.o\_id;

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

| total\_amount | name |

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

| 50003 | Sanket |

| 60000 | Sanket |

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

2 rows in set (0.00 sec)

**Q-10: rutvik have changed his mobile number to 929992292.Do the necessary updates**

mysql> UPDATE phone SET phone\_no=929992292 WHERE c\_id=(SELECT c\_id FROM customer WHERE name='rutvik');

Query OK, 1 row affected (0.07 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from phone;

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

| c\_id | phone\_no |

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

| 1 | 9516644000 |

| 1 | 26800238 |

| 2 | 7985697509 |

| 2 | 26800248 |

| 3 | 8377066666 |

| 4 | 929992292 |

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

6 rows in set (0.00 sec)

**Q-11: Delete purchase order no 4**

mysql> DELETE FROM orders WHERE o\_id=4;

Query OK, 1 row affected (0.88 sec)