TABLES :

```
MySQL [ecommerce]> select*from category;
+-------------+-------------------+
| CATEGORY_ID | CATEGORY_NAME     |
+-------------+-------------------+
|         401 | APPLIANCES        |
|         402 | FURNITURE         |
|         403 | CLOTHING          |
|         404 | JEWELLERY         |
|         405 | FURNITURE         |
|         406 | KITCHEN ESSENTIALS |
|         407 | FOOTWEAR          |
|         408 | WATCHES           |
|         409 | COSMETICS         |
|         410 | EATABLES          |
|         411 | GROOMING          |
|         412 | DECORATION        |
|         413 | AUTOMOBILE        |
+-------------+-------------------+
13 rows in set (0.024 sec)
```

```
MySQL [ecommerce]> select*from payment;
+------------+----------------+--------------+----------------------+-----------------+
| PAYMENT_ID | ORDER_ORDER_ID | PAYMENT_MODE | CUSTOMER_CUSTOMER_ID | DATE_OF_PAYMENT |
+------------+----------------+--------------+----------------------+-----------------+
|        501 |            701 | UPI          |                  101 | 2021-09-01      |
|        502 |            702 | UPI          |                  102 | 2021-09-02      |
|        503 |            703 | CREDIT CARD  |                  103 | 2021-09-03      |
|        504 |            704 | DEBIT CARD   |                  104 | 2021-09-04      |
|        505 |            705 | BITCOIN      |                  105 | 2021-09-01      |
|        506 |            706 | UPI          |                  106 | 2021-09-01      |
|        507 |            707 | DEBIT CARD   |                  107 | 2021-09-02      |
|        508 |            708 | BITCOIN      |                  108 | 2021-09-01      |
|        509 |            709 | CREDIT CARD  |                  109 | 2021-09-03      |
|        510 |            710 | UPI          |                  111 | 2021-09-05      |
|        511 |            711 | BITCOIN      |                  112 | 2021-09-06      |
|        512 |            712 | CREDIT CARD  |                  113 | 2021-09-05      |
|        513 |            713 | UPI          |                  114 | 2021-09-06      |
+------------+----------------+--------------+----------------------+-----------------+
13 rows in set (0.013 sec)
```

```
MySQL [ecommerce]> select*from orderitem;
+----------------+--------------------+----------+----------+
| ORDER_ORDER_ID | PRODUCT_PRODUCT_ID | MRP      | QUANTITY |
+----------------+--------------------+----------+----------+
|            701 |                808 |   214.25 |        3 |
|            701 |                811 |  8999.21 |        1 |
|            701 |                813 |      599 |        1 |
|            702 |                802 |   985.21 |        2 |
|            702 |                806 |  5012.98 |        1 |
|            703 |                814 |  88888.9 |        1 |
|            703 |                805 |    51549 |        1 |
|            703 |                808 |   214.25 |        2 |
|            704 |                819 |    29000 |        1 |
|            704 |                812 |  10999.2 |        2 |
|            704 |                815 |  15425.1 |        1 |
|            705 |                817 |  1499.98 |        2 |
|            705 |                820 |      899 |        2 |
|            705 |                813 |      599 |        3 |
|            706 |                816 |   799.12 |        2 |
|            706 |                809 |  97254.2 |        1 |
|            707 |                801 |  2055.25 |        1 |
|            707 |                803 |  49845.9 |        1 |
|            707 |                804 |    254.2 |        2 |
|            708 |                807 |  11245.3 |        2 |
|            708 |                810 |    29125 |        1 |
|            709 |                818 |  35487.1 |        1 |
|            709 |                813 |      599 |        2 |
|            710 |                820 |      899 |        2 |
|            710 |                807 |  11245.3 |        1 |
|            711 |                813 |      599 |        3 |
|            711 |                802 |   985.21 |        1 |
|            712 |                806 |  5012.98 |        2 |
|            712 |                818 |  35487.1 |        1 |
|            713 |                808 |   214.25 |        6 |
|            713 |                805 |    51549 |        1 |
+----------------+--------------------+----------+----------+
31 rows in set (0.008 sec)

MySQL [ecommerce]> select*from orders;
+----------+---------------------+------------+--------------+---------+----------------------+---------------+
| ORDER_ID | SHIPPING_DATE       | ORDER_DATE | ORDER_AMOUNT | CART_ID | CUSTOMER_CUSTOMER_ID | ORDER_STATUS  |
+----------+---------------------+------------+--------------+---------+----------------------+---------------+
|      701 | 2021-08-28 13:23:44 | 2021-08-28 |        10241 |     601 |                  101 | DELIVERED     |
|      702 | 2021-08-30 11:20:42 | 2021-08-30 |       6983.4 |     602 |                  102 | DELIVERED     |
|      703 | 2021-08-30 16:02:34 | 2021-08-30 |       140866 |     603 |                  103 | DELIVERED     |
|      704 | 2021-09-01 20:23:44 | 2021-09-01 |      66423.5 |     606 |                  106 | OUT FOR DELIVERY |
|      705 | 2021-09-02 20:32:24 | 2021-09-01 |      6594.96 |     609 |                  109 | OUT FOR DELIVERY |
|      706 | 2021-09-03 10:23:44 | 2021-09-02 |      98852.5 |     607 |                  107 | OUT FOR DELIVERY |
|      707 | 2021-09-03 21:29:56 | 2021-09-03 |      52409.6 |     608 |                  108 | OUT FOR DELIVERY |
|      708 | 2021-09-04 20:02:52 | 2021-09-04 |      51615.5 |     601 |                  101 | SHIPPED       |
|      709 | 2021-09-05 18:23:42 | 2021-09-05 |      36685.1 |     602 |                  102 | OUT FOR DELIVERY |
|      710 | 2021-09-07 10:27:44 | 2021-09-06 |      13043.3 |     620 |                  120 | SHIPPED       |
|      711 | 2021-09-08 23:26:54 | 2021-09-08 |      2782.21 |     615 |                  115 | SHIPPED       |
|      712 | 2021-09-10 10:23:47 | 2021-09-09 |      45513.1 |     606 |                  106 | SHIPPED       |
|      713 | 2021-09-11 11:22:24 | 2021-09-10 |      52834.5 |     613 |                  113 | SHIPPED       |
+----------+---------------------+------------+--------------+---------+----------------------+---------------+
13 rows in set (0.008 sec)
```

```
MySQL [ecommerce]> select*from cart;
+---------+----------------------+---------------------+
| CART_ID | CUSTOMER_CUSTOMER_ID | PRODUCT_PRODUCT_ID |
+---------+----------------------+---------------------+
|     601 |                  101 |                 807 |
|     601 |                  101 |                 810 |
|     602 |                  102 |                 818 |
|     602 |                  102 |                 813 |
|     603 |                  103 |                 814 |
|     603 |                  103 |                 805 |
|     604 |                  104 |                 812 |
|     604 |                  104 |                 805 |
|     605 |                  105 |                 820 |
|     605 |                  105 |                 815 |
|     606 |                  106 |                 806 |
|     606 |                  106 |                 815 |
|     607 |                  107 |                 816 |
|     607 |                  107 |                 809 |
|     608 |                  108 |                 801 |
|     608 |                  108 |                 803 |
|     608 |                  108 |                 804 |
|     609 |                  109 |                 817 |
|     609 |                  109 |                 820 |
|     609 |                  109 |                 813 |
|     610 |                  110 |                 804 |
|     610 |                  110 |                 817 |
|     611 |                  111 |                 811 |
|     611 |                  111 |                 809 |
|     612 |                  112 |                 807 |
|     613 |                  113 |                 808 |
|     613 |                  113 |                 805 |
|     614 |                  114 |                 807 |
|     614 |                  114 |                 809 |
|     615 |                  115 |                 813 |
|     615 |                  115 |                 802 |
|     616 |                  816 |                 808 |
|     616 |                  116 |                 801 |
|     617 |                  117 |                 805 |
|     617 |                  117 |                 819 |
|     618 |                  118 |                 803 |
|     618 |                  118 |                 818 |
|     619 |                  119 |                 807 |
|     619 |                  119 |                 820 |
|     620 |                  120 |                 820 |
|     620 |                  120 |                 807 |
|     621 |                  121 |                 802 |
|     621 |                  121 |                 812 |
+---------+----------------------+---------------------+
43 rows in set (0.024 sec)
```

```
MySQL [ecommerce]> select*from seller;
+-----------+---------+--------+
| SELLER_ID | NAME    | PHONE  |
+-----------+---------+--------+
|       201 | philips | 255456 |
|       202 | nokia   | 298754 |
|       203 | HERO    | 247115 |
|       204 | SAMSUNG | 315666 |
|       205 | Mi      | 285698 |
|       206 | HP      | 263541 |
|       207 | CANON   | 266541 |
|       208 | AMUL    | 231145 |
|       209 | Nike    | 222444 |
|       210 | NYKAA   | 222968 |
|       211 | H.U.L   | 211456 |
|       212 | USHA    | 215698 |
|       213 | HAVELLS | 245213 |
|       214 | XUN XAI | 276462 |
|       215 | SOLIMO  | 213645 |
|       216 | GODREJ  | 214578 |
|       217 | CHANEL  | 287945 |
+-----------+---------+--------+
17 rows in set (0.009 sec)
```

```
MySQL [ecommerce]> select*from product;
+------------+-------------------------+-----------+---------+-------------+-------+--------------------+
| PRODUCT_ID | PRODUCT_NAME            | SELLER_ID | MRP     | CATEGORY_ID | STOCK | BRAND              |
+------------+-------------------------+-----------+---------+-------------+-------+--------------------+
|        801 | PHILIPS HYBRID ONE BLADE |      201 | 2055.25 |         411 |    14 | PHILIPS            |
|        802 | MI 200V CHARGER         |       205 |  985.21 |         401 |    25 | MI                 |
|        803 | CANON-EOS 100D          |       207 | 49845.9 |         401 |     5 | CANON              |
|        804 | NOKIA BL-5C             |       202 |   254.2 |         401 |    85 | NOKIA              |
|        805 | SAMSUNG A52 5G          |       204 |   51549 |         401 |    14 | SAMSUNG            |
|        806 | HERO BICYCLE            |       203 | 5012.98 |         413 |     1 | HERO               |
|        807 | USHA SEWING MACHINE     |       212 | 11245.3 |         401 |     4 | USHA               |
|        808 | HAVELLS LED BULB        |       213 |  214.25 |         401 |   108 | HAVELLS            |
|        809 | HP PAVILION LAPTOP      |       206 | 97254.2 |         401 |     8 | HP                 |
|        810 | CHANEL PERFUME          |       217 |   29125 |         409 |     2 | CHANEL             |
|        811 | NIKE SB SHANE SKATE SHOES |     209 | 8999.21 |         407 |     6 | NIKE               |
|        812 | SAMSUNG SMART WATCH     |       204 | 10999.2 |         408 |     3 | SAMSUNG            |
|        813 | AMUL DARK CHOCOLATE     |       208 |     599 |         410 |   296 | AMUL               |
|        814 | NYKAA GOLD PENDANT      |       210 | 88888.9 |         404 |     5 | NYKAA              |
|        815 | HAVELLS OVEN            |       213 | 15425.1 |         401 |     8 | HAVELLS            |
|        816 | DISCO LIGHTS            |       214 |  799.12 |         412 |    52 | XUN XAI            |
|        817 | SOLIMO BEAN BAGS        |       215 | 1499.98 |         402 |    12 | SOLIMO             |
|        818 | GODREJ ALMIRAH          |       216 | 35487.1 |         402 |     7 | GODREJ             |
|        819 | SAMSUNG 2-IN-1 FRIDGE   |       204 |   29000 |         401 |     5 | SAMSUNG            |
|        820 | LAKME MATTE LIPSTICK    |       211 |     899 |         409 |   896 | HINDUSTAN UNILEVER |
+------------+-------------------------+-----------+---------+-------------+-------+--------------------+
20 rows in set (0.008 sec)
```

```
MySQL [ecommerce]> select*from address;
+------------+------------------+-------------+------------+----------------+---------+----------------------+
| ADDRESS_ID | STREETNAME       | APARTMENTNO | CITY       | STATE          | PINCODE | CUSTOMER_CUSTOMER_ID |
+------------+------------------+-------------+------------+----------------+---------+----------------------+
|          1 | Walter street    | 30-24/A     | Patna      | Bihar          | 578091  |                  101 |
|          2 | Tantal street    | 25-40/C     | Vijayawada | AP             | 520011  |                  102 |
|          3 | Rory street      | 23-45/B     | Hyderabad  | Telangana      | 530098  |                  103 |
|          4 | Spy street       | 24-44/F     | Mumbai     | Maharastra     | 456098  |                  104 |
|          5 | George street    | 34-67/E     | Puducherry | Pondicherry    | 765431  |                  105 |
|          6 | Canal street     | 25-20/C     | Vijayawada | AP             | 520011  |                  106 |
|          7 | Christiano street| 45-34/D     | Hyderabad  | Telangana      | 530098  |                  107 |
|          8 | Kylian street    | 23-35/G     | Mumbai     | Maharastra     | 456098  |                  108 |
|          9 | Neymar street    | 76-34/L     | Patna      | Bihar          | 578091  |                  109 |
|         10 | Lionel street    | 21-98/P     | Puducherry | Pondicherry    | 765431  |                  110 |
|         11 | Robert street    | 36-24/A     | Panaji     | Goa            | 578991  |                  111 |
|         12 | Neuer street     | 25-46/C     | Vijayawada | AP             | 520011  |                  112 |
|         13 | Roman street     | 22-45/B     | Hyderabad  | Telangana      | 530098  |                  113 |
|         14 | Brock street     | 24-74/F     | Kolkata    | West Bengal    | 906098  |                  114 |
|         15 | John street      | 39-67/E     | Lucknow    | UP             | 765891  |                  115 |
|         16 | Goldberg street  | 25-29/C     | Bhopal     | Madhya Pradesh | 890011  |                  116 |
|         17 | Grealish street  | 65-34/D     | Hyderabad  | Telangana      | 530098  |                  117 |
|         18 | Antony street    | 13-35/G     | Nagarsol   | Maharastra     | 406098  |                  118 |
|         19 | Orton street     | 96-34/L     | Patna      | Bihar          | 578091  |                  119 |
|         20 | Shawn street     | 21-99/P     | Vizag      | AP             | 765431  |                  120 |
|         21 | Micky street     | 22-87/I     | Lucknow    | UP             | 984563  |                  121 |
+------------+------------------+-------------+------------+----------------+---------+----------------------+
21 rows in set (0.020 sec)

MySQL [ecommerce]> select*from customer;
+-------------+------------+-------------+-----------+------------------------+---------------+--------------+
| CUSTOMER_ID | FIRST_NAME | MIDDLE_NAME | LAST_NAME | EMAIL                  | DATE_OF_BIRTH | PHONE_NUMBER |
+-------------+------------+-------------+-----------+------------------------+---------------+--------------+
|         101 | saurabh    | kumar       | singh     | saurabh@gmail.com      | 2005-05-23    | 9195421123   |
|         102 | bittu      | sharma      | verma     | bittu@sittu.com        | 1975-09-23    | 9214579891   |
|         103 | utkarsh    |             | anand     | utkarsh22@outlook.com  | 2002-03-06    | 9321456211   |
|         104 | anshu      |             | khurana   | anshu12@gmail.com      | 1971-11-01    | 9428756923   |
|         105 | lakshmana  | sri         | harsha    | harsha223@github.com   | 1999-10-13    | 9521478963   |
|         106 | raman      | kumar       | babu      | raman1@rediffmail.com  | 2001-05-04    | 9621457832   |
|         107 | priyanka   | kumari      | chopra    | ananya34@gmail.com     | 1998-08-28    | 9721245638   |
|         108 | aditya     | kumar       | prakash   | aditya12@yahoo.com     | 1999-08-08    | 9865412356   |
|         109 | shailly    |             | bailly    | shailly@bailly.com     | 2000-06-03    | 9945612314   |
|         110 | shailja    |             | singhaniya| shailja@gov.in         | 1996-03-23    | 9112654384   |
|         111 | jeff       |             | bezos     | jef@reddit.com         | 1989-06-15    | 9223654651   |
|         112 | ANIL       |             | AMBANI    | anil@gmail.com         | 1989-07-11    | 9223654652   |
|         113 | MUKESH     |             | AMBANI    | mukesh@gmail.com       | 1978-06-13    | 9192321123   |
|         114 | JACK       |             | MA        | jack@gmail.com         | 1999-08-25    | 9521478968   |
|         115 | WARREN     |             | BUFFET    | warren@gmail.com       | 1989-02-24    | 9521158963   |
|         116 | RICHARD    |             | BRANSON   | richard@gmail.com      | 1989-02-26    | 9845612314   |
|         117 | ELON       |             | MUSK      | elon@gmail.com         | 1969-04-29    | 9621457818   |
|         118 | BHAVESH    |             | AGGRAWAL  | bhavesh@gmail.com      | 1979-06-30    | 9264857832   |
|         119 | SACHIN     |             | BANSAL    | sachin@gmail.com       | 1983-11-19    | 9428725923   |
|         120 | NIKHIL     |             | KAMATH    | nikhil@gmail.com       | 1982-12-18    | 8898756923   |
|         121 | ANITA      |             | AMBANI    | anita@gmail.com        | 1981-09-22    | 9428721546   |
+-------------+------------+-------------+-----------+------------------------+---------------+--------------+
21 rows in set (0.030 sec)
```
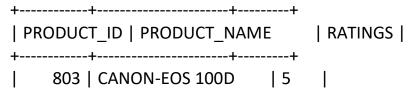
```
MySQL [ecommerce]> select*from review;
+-----------+---------------------------+---------+--------------------+----------------------+
| REVIEW_ID | DESCRIPTION               | RATINGS | PRODUCT_PRODUCT_ID | CUSTOMER_CUSTOMER_ID |
+-----------+---------------------------+---------+--------------------+----------------------+
|        51 | Good Product!             | 4       |                801 |                  108 |
|        52 | Charging taking lot of time! | 1    |                802 |                  102 |
|        53 | Superb picture quality!   | 5       |                803 |                  102 |
|        54 | Nice product              | 4       |                804 |                  102 |
|        55 | Nice product!Awesome camera! | 5    |                805 |                  113 |
|        56 | Worth for its price       | 4       |                806 |                  106 |
|        57 | Good Product              | 4       |                807 |                  101 |
|        58 | Not bright enough!        | 2       |                808 |                  113 |
|        59 | Charging is very slow!     | 2       |                809 |                  107 |
|        60 | Fragrance is awesome!     | 5       |                810 |                  101 |
|        61 | Comfartable and nice color! | 5     |                811 |                  101 |
|        62 | Not worth for money!      | 2       |                812 |                  106 |
|        63 | Delicious!                | 5       |                813 |                  115 |
|        64 | Beautiful!                | 5       |                814 |                  103 |
|        65 | Best option in oven!      | 5       |                815 |                  106 |
|        66 | Nice effects!             | 4       |                816 |                  107 |
|        67 | Comfortable and very nice! | 5      |                817 |                  109 |
|        68 | Not too spacious!         | 2       |                818 |                  102 |
|        69 | Excellent working!        | 5       |                819 |                  106 |
|        70 | Nice color!               | 4       |                820 |                  109 |
+-----------+---------------------------+---------+--------------------+----------------------+
20 rows in set (0.001 sec)
```

QUERIES:

1.Customers to find products with highest ratings for a given category.

MySQL [ecommerce]> SELECT PRODUCT.PRODUCT_ID,PRODUCT_NAME,REVIEW.RATINGS FROM PRODUCT JOIN CATEGORY ON PRODUCT.CATEGORY_ID=CATEGORY.CATEGORY_ID JOIN REVIEW ON PRODUCT.PRODUCT_ID=REVIEW.PRODUCT_PRODUCT_ID WHERE REVIEW.RATINGS=(SELECT MAX(REVIEW.RATINGS) FROM PRODUCT JOIN CATEGORY ON PRODUCT.CATEGORY_ID=CATEGORY.CATEGORY_ID JOIN REVIEW ON PRODUCT.PRODUCT_ID=REVIEW.PRODUCT_PRODUCT_ID WHERE CATEGORY.CATEGORY_NAME='APPLIANCES') AND CATEGORY.CATEGORY_NAME='APPLIANCES';

OUTPUT:
```
+------------+----------------------+---------+
| PRODUCT_ID | PRODUCT_NAME         | RATINGS |
+------------+----------------------+---------+
|        803 | CANON-EOS 100D       | 5       |
```

```
|     805 | SAMSUNG A52 5G      | 5    |
|     815 | HAVELLS OVEN        | 5    |
|     819 | SAMSUNG 2-IN-1 FRIDGE | 5   |
+------------+---------------------+---------+
```
3 rows in set (0.030 sec)

2.Customers filter out the products according to their brand and price.

MySQL [ecommerce]> SELECT PRODUCT_ID,PRODUCT_NAME,MRP FROM PRODUCT WHERE BRAND='SAMSUNG' AND MRP BETWEEN 10000 AND 30000;

OUTPUT:

```
+------------+---------------------+---------+
| PRODUCT_ID | PRODUCT_NAME        | MRP     |
+------------+---------------------+---------+
|     812 | SAMSUNG SMART WATCH  | 10999.2 |
|     819 | SAMSUNG 2-IN-1 FRIDGE |  29000 |
+------------+---------------------+---------+
```
2 rows in set (0.009 sec)

3.Customers compare the products based on their ratings and reviews.

```
DELIMITER //
CREATE PROCEDURE p5 (pr1 INT,pr2 INT)
  BEGIN
   SELECT
PRODUCT.PRODUCT_ID,PRODUCT.PRODUCT_NAME,REVIEW.RATINGS,REVIEW.DE
SCRIPTION FROM REVIEW JOIN PRODUCT
   ON REVIEW.PRODUCT_PRODUCT_ID=PRODUCT.PRODUCT_ID WHERE
PRODUCT.PRODUCT_ID=pr1 OR PRODUCT.PRODUCT_ID=pr2;
  END;//
```

OUTPUT:

MySQL [ecommerce]> call p5(802,804);

```
+-----------+----------------+---------+----------------------------+
| PRODUCT_ID | PRODUCT_NAME  | RATINGS | DESCRIPTION                |
+-----------+----------------+---------+----------------------------+
|       802 | MI 200V CHARGER | 1      | Charging taking lot of time! |
|       804 | NOKIA BL-5C     | 4      | Nice product               |
+-----------+----------------+---------+----------------------------+
```
2 rows in set (0.027 sec)

4.List the orders which are to be delivered at a particular pincode.

MySQL [ecommerce]> SELECT
ORDERS.ORDER_ID,ORDERS.ORDER_DATE,ORDERS.CUSTOMER_CUSTOMER_ID,C
ONCAT(CUSTOMER.FIRST_NAME,' ',CUSTOMER.MIDDLE_NAME,'
',CUSTOMER.LAST_NAME) AS CUSTOMER_NAME,ADDRESS.PINCODE FROM
CUSTOMER JOIN ORDERS ON
CUSTOMER.CUSTOMER_ID=ORDERS.CUSTOMER_CUSTOMER_ID JOIN ADDRESS
ON CUSTOMER.CUSTOMER_ID=ADDRESS.CUSTOMER_CUSTOMER_ID WHERE
ORDERS.ORDER_STATUS='OUT FOR DELIVERY' AND ADDRESS.PINCODE='520011';

OUTPUT:
```
+----------+------------+---------------------+-------------------+---------+
| ORDER_ID | ORDER_DATE | CUSTOMER_CUSTOMER_ID | CUSTOMER_NAME    | PINCODE |
+----------+------------+---------------------+-------------------+---------+
|      709 | 2021-09-05 |         102          | bittu sharma verma |520011|
|      704 | 2021-09-01 |         106          | raman kumar babu  | 520011|
+----------+------------+---------------------+-------------------+---------+
```
2 rows in set (0.000 sec)

5.List the product whose sale is the highest on a particular day.

DELIMITER //
CREATE PROCEDURE query(O_DATE DATE)
 BEGIN
 DECLARE CNT INT DEFAULT 801;
 DECLARE MAXID INT DEFAULT 820;

```
  DECLARE TEMP INT DEFAULT 0;
  DECLARE MAX_CNT INT default 0;
  DECLARE MAXP_ID INT;
  WHILE CNT<=MAXID DO
  select sum(ORDERITEM.quantity) INTO TEMP from orderitem JOIN ORDERS ON
ORDERS.ORDER_ID=ORDERITEM.ORDER_ORDER_ID where
ORDERITEM.product_product_id=CNT AND ORDERS.ORDER_DATE=O_DATE;
  IF TEMP > MAX_CNT THEN
  SET MAX_CNT = TEMP;
  SET MAXP_ID = CNT;
  END IF;
  set CNT =CNT+1;
  END WHILE;
SELECT
ORDERS.ORDER_DATE,ORDERITEM.PRODUCT_PRODUCT_ID,PRODUCT.PRODUCT_
NAME,SUM(ORDERITEM.QUANTITY) AS SALE_COUNT FROM ORDERS JOIN
ORDERITEM ON ORDERS.ORDER_ID=ORDERITEM.ORDER_ORDER_ID
  JOIN PRODUCT ON
PRODUCT.PRODUCT_ID=ORDERITEM.PRODUCT_PRODUCT_ID WHERE
ORDERITEM.PRODUCT_PRODUCT_ID=MAXP_ID AND
ORDERS.ORDER_DATE=O_DATE;
  END;//
```

MySQL [ecommerce]> call query('2021-09-01');

OUTPUT:
```
+------------+-------------------+------------------+------------+
| ORDER_DATE | PRODUCT_PRODUCT_ID | PRODUCT_NAME    | SALE_COUNT |
+------------+-------------------+------------------+------------+
| 2021-09-01 |            817 | SOLIMO BEAN BAGS |       2 |
+------------+-------------------+------------------+------------+
1 row in set (0.011 sec)
```

Query OK, 0 rows affected (0.017 sec)

MySQL [ecommerce]> call query('2021-09-10');

OUTPUT:

```
+------------+-------------------+----------------+------------+
| ORDER_DATE | PRODUCT_PRODUCT_ID | PRODUCT_NAME   | SALE_COUNT |
+------------+-------------------+----------------+------------+
| 2021-09-10 |              808 | HAVELLS LED BULB |        6 |
+------------+-------------------+----------------+------------+
```
1 row in set (0.002 sec)

Query OK, 0 rows affected (0.008 sec)

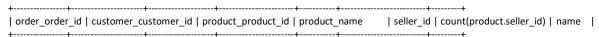## 6.Write a procedure to calculate total order amount of all orders.

```
DELIMITER //
CREATE PROCEDURE p1 ()
  BEGIN
   DECLARE CNT INT DEFAULT 701;
   DECLARE MAXID INT DEFAULT 713;
   WHILE CNT<=MAXID DO
    UPDATE ORDERS SET ORDER_AMOUNT=(SELECT SUM(MRP*QUANTITY) FROM
ORDERITEM WHERE ORDER_ORDER_ID=CNT) WHERE ORDER_ID=CNT;
    SET CNT=CNT+1;
   END WHILE;
  END;//
```

7.List how many times a particular customer bought from different sellers.

MySQL [ecommerce]> select
orderitem.order_order_id,orders.customer_customer_id,orderitem.product_pro
duct_id,product.product_name,product.seller_id,count(product.seller_id),seller.n
ame from orders join orderitem on orders.order_id=orderitem.order_order_id
join product on product.product_id=orderitem.product_product_id join seller on
seller.seller_id=product.seller_id where orders.customer_customer_id='106'
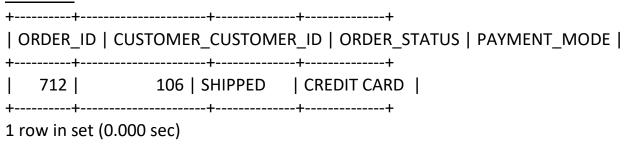group by product.seller_id order by orderitem.product_product_id;

OUTPUT:
```
+--------------+--------------------+------------------+--------------------+----------+------------------------+----------+
| order_order_id | customer_customer_id | product_product_id | product_name      | seller_id | count(product.seller_id) | name     |
+--------------+--------------------+------------------+--------------------+----------+------------------------+----------+
```

```
|    712     |        106        |       806      | HERO BICYCLE        |   203  |          1        | HERO    |
|    704     |        106        |       815      | HAVELLS OVEN        |   213  |          1        | HAVELLS |
|    712     |        106        |       818      | GODREJ ALMIRAH      |   216  |          1        | GODREJ  |
|    704     |        106        |       819      | SAMSUNG 2-IN-1 FRIDGE | 204 |          2        | SAMSUNG |
+------------+-------------------+----------------+---------------------+--------+------------------+---------+
```
4 rows in set (0.001 sec)

8.List all the orders whose payment mode is Credit Card and yet to be delivered.

MySQL [ecommerce]> SELECT
ORDERS.ORDER_ID,ORDERS.CUSTOMER_CUSTOMER_ID,ORDERS.ORDER_STATUS,
PAYMENT.PAYMENT_MODE FROM ORDERS JOIN PAYMENT ON
ORDERS.ORDER_ID=PAYMENT.ORDER_ORDER_ID WHERE
PAYMENT.PAYMENT_MODE='CREDIT CARD' AND
ORDERS.ORDER_STATUS='SHIPPED';

OUTPUT:

```
+----------+---------------------+--------------+--------------+
| ORDER_ID | CUSTOMER_CUSTOMER_ID | ORDER_STATUS | PAYMENT_MODE |
+----------+---------------------+--------------+--------------+
|    712   |              106    | SHIPPED      | CREDIT CARD  |
+----------+---------------------+--------------+--------------+
```
1 row in set (0.000 sec)

9.List all orders of customers whose total amount is less than 10000.

MySQL [ecommerce]> select*from orders where order_amount<'10000';

OUTPUT:

```
+----------+--------------------+------------+--------------+---------+---------------------+-----------------+
| ORDER_ID | SHIPPING_DATE      | ORDER_DATE | ORDER_AMOUNT | CART_ID | CUSTOMER_CUSTOMER_ID | ORDER_STATUS    |
+----------+--------------------+------------+--------------+---------+---------------------+-----------------+
|    702   | 2021-08-30 11:20:42 | 2021-08-30 |     6983.4   |   602   |              102    | DELIVERED       |
|    705   | 2021-09-02 20:32:24 | 2021-09-01 |    6594.96   |   609   |              109    | OUT FOR DELIVERY |
|    711   | 2021-09-08 23:26:54 | 2021-09-08 |    2782.21   |   615   |              115    | SHIPPED         |
+----------+--------------------+------------+--------------+---------+---------------------+-----------------+
```
3 rows in set (0.008 sec)

10.List the product and its seller which has the highest stock.

MySQL [ecommerce]> select product_id,product_name,seller_id,brand,stock from product where stock=(select max(stock) from product);

OUTPUT:

```
+------------+--------------------+-----------+-------------------+-------+
| product_id | product_name       | seller_id | brand             | stock |
+------------+--------------------+-----------+-------------------+-------+
|        820 | LAKME MATTE LIPSTICK |     211 | HINDUSTAN UNILEVER |  896 |
+------------+--------------------+-----------+-------------------+-------+
1 row in set (0.000 sec)
```