QUERY 01: Create a table named SALES_Rollno for eg: SALES_12co56 and insert the data in the table as given above....

QUERY 02: Display the contents of the SALES 21co56

```
MariaDB [21co56]> INSERT INTO SALES_21co56 VALUES

-> (70001, 150.5, "2012-10-05", 3005, 5002),
-> (70009, 270.65, "2012-09-10", 3001, 5005),
-> (70002, 65.26, "2012-10-05", 3002, 5001),
-> (70004, 110.5, "2012-08-17", 3009, 5003),
-> (70007, 948.5, "2012-09-10", 3005, 5002),
-> (70005, 2400.6, "2012-07-27", 3007, 5001),
-> (70008, 5760, "2012-09-10", 3002, 5001),
-> (70010, 1983.43, "2012-10-10", 3004, 5006),
-> (70003, 2480.4, "2012-10-10", 3009, 5003),
-> (70012, 250.45, "2012-06-27", 3008, 5002),
-> (70011, 75.29, "2012-08-17", 3003, 5007),
-> (70013, 3045.6, "2012-04-25", 3002, 5001);
Query OK, 12 rows affected (0.010 sec)
Records: 12 Duplicates: 0 Warnings: 0
MariaDB [21co56]> INSERT INTO SALES_21co56 VALUES
Records: 12 Duplicates: 0 Warnings: 0
MariaDB [21co56]> DESCRIBE SALES_21co56;
| Field
                                           | Null | Key | Default | Extra |
                            Type
                                                                    NULL
                              int(5)
                                                         PRI
   order_no
   purchase_amt
                              float
                                             YES
                                                                    NULL
   order_date
                              date
                                             YES
                                                                    NULL
   customer_id
                              int(5)
                                             YES
                                                                    NHILL
                              int(5) |
   salesman_id
                                            YES
                                                                    NULL
5 rows in set (0.019 sec)
MariaDB [21co56]> SELECT * FROM SALES_21co56;
  order_no | purchase_amt | order_date | customer_id | salesman_id |
         70001
                                   150.5
                                                 2012-10-05
                                                                                    3005
                                                                                                            5002
         70002
                                   65.26
                                                 2012-10-05
                                                                                    3002
                                                                                                            5001
         70003
                                 2480.4
                                                 2012-10-10
                                                                                    3009
                                                                                                            5003
                                  110.5
                                                                                                            5003
         70004
                                                 2012-08-17
                                                                                    3009
                                 2400.6
                                                                                                            5001
         70005
                                                 2012-07-27
                                                                                    3007
                                   948.5
         70007
                                                 2012-09-10
                                                                                    3005
                                                                                                            5002
         70008
                                    5760
                                                 2012-09-10
                                                                                    3002
                                                                                                            5001
         70009
                                 270.65
                                                 2012-09-10
                                                                                    3001
                                                                                                            5005
         70010
                               1983.43
                                                 2012-10-10
                                                                                                            5006
                                                                                    3004
                                 75.29
250.45
                                                                                    3003
                                                                                                            5007
         70011
                                                 2012-08-17
                                                 2012-06-27
                                                                                    3008
                                                                                                            5002
         70012
         70013
                                 3045.6 |
                                                 2012-04-25
                                                                                    3002
                                                                                                            5001
12 rows in set (0.001 sec)
```

QUERY 03: Write a SQL statement to find the total purchase amount for all orders.

QUERY 04: Write a SQL statement to find the average purchase amount of all orders.

QUERY 05: Write a SQL statement to find the number of salesmen currently listing for all of their customers.

QUERY 06: Write a SQL statement to get the maximum purchase amount of all the orders

QUERY 07: Write a SQL statement to get the minimum purchase amount of all the orders.

QUERY 08: Find the highest purchase amount ordered by each customer

```
MariaDB [21co56] > SELECT customer_id, max(purchase_amt) FROM sales_21co56
                  GROUP by customer_id;
 customer_id | max(purchase_amt) |
                           270.65
         3001
         3002 I
                            5760
         3003
                            75.29
         3004
                          1983.43
         3005
                            948.5
         3007
                           2400.6
         3008
                           250.45
                           2480.4
         3009
 rows in set (0.001 sec)
```

QUERY 09: Write a SQL statement to find the highest purchase amount ordered by the each customer on a particular date with their ID, order date and highest purchase amount.

```
MariaDB [21co56]> SELECT customer_id, order_date, max(purchase_amt)
                  FROM sales_21co56
    ->
                  GROUP BY customer_id, order_date;
  customer_id | order_date | max(purchase_amt)
         3001 L
                2012-09-10
                                         270.65
         3002
                2012-04-25
                                         3045.6
         3002
                2012-09-10 |
                                           5760
         3002
                2012-10-05
                                          65.26
         3003
                2012-08-17
                                          75.29
         3004
                2012-10-10
                                        1983.43
         3005
                2012-09-10
                                          948.5
         3005
                2012-10-05
                                          150.5
         3007
                2012-07-27
                                         2400.6
         3008
                2012-06-27
                                         250.45
         3009
                2012-08-17
                                          110.5
         3009 | 2012-10-10 |
                                         2480.4
12 rows in set (0.001 sec)
```

QUERY 10: Write a SQL statement to find the highest purchase amount on a date 2012-08-17 for each salesman with their ID

QUERY 11: Write a SQL statement to find the highest purchase amount with their ID and order date, for only those customers who have highest purchase amount in a day is more than 2000

```
MariaDB [21co56]> SELECT customer_id, salesman_id, order_date, max(purchase_amt)
                  FROM sales_21co56
    ->
                  GROUP BY customer_id, salesman_id, order_date
    ->
                  HAVING max(purchase_amt) > 2000;
 customer_id | salesman_id | order_date | max(purchase_amt)
         3002
                       5001
                              2012-04-25
                                                       3045.6
                              2012-09-10
         3002
                       5001
                                                         5760
                              2012-07-27
                                                       2400.6
         3007
                       5001
         3009
                       5003 | 2012-10-10 |
                                                       2480.4
 rows in set (0.001 sec)
```

QUERY 12: Write a SQL statement to find the highest purchase amount with their ID and order date, for those customers who have a higher purchase amount in a day is within the range 2000 and 6000.

```
MariaDB [21co56]> SELECT customer_id, salesman_id, order_date, max(purchase_amt)
                  FROM sales_21co56
                  GROUP BY customer_id, salesman_id, order_date
    ->
                  HAVING max(purchase_amt) BETWEEN 2000 AND 6000;
    ->
 customer_id | salesman_id | order_date | max(purchase_amt) |
         3002
                       5001 I
                              2012-04-25
                                                       3045.6
         3002
                       5001
                              2012-09-10 |
                                                         5760
         3007
                       5001
                              2012-07-27
                                                       2400.6
         3009
                       5003 | 2012-10-10 |
                                                       2480.4
 rows in set (0.001 sec)
```

QUERY 13: Write a SQL statement to find the highest purchase amount with their ID and order date, for only those customers who have a higher purchase amount in a day is within the list 2000, 3000, 5760 and 6000.

QUERY 14: Write a SQL statement that counts all orders for a date August 17th, 2012.