Name : Prajakta Keer

Roll No : 33231 Class : TE 10

SL1 ASSIGNMENT 5

Problem Statement: Manage Data into the above tables using Insert, Select, Update, Delete with operators, functions, and set operator.

Display all the Purchase orders of a specific Customer.

3 rows in set (0.00 sec)

Get Customer and Data Item Information for a Specific Purchase Order.

mysql> select customer.cust_id, customer.fname, customer.lname,
products.prod_id, products.prod_name from customer, orders, products where
order_id = 1005 and orders.cust_id = customer.cust_id and orders.prod_id =
products.prod id;

```
+----+
| cust_id | fname | lname | prod_id | prod_name |
+----+
| 5 | rishita | jadhav | 101 | apple7 |
+----+
1 row in set (0.00 sec)
```

Get the Total Value of Purchase Orders.

mysql> select sum(amount) from orders as TotalValue;

```
+----+
| sum(amount) |
+----+
| 376200 |
+----+
1 row in set (0.00 sec)
```

List the Purchase Orders in descending order as per total.

mysql> select * from orders order by amount desc;

+		+		+		-+		- +		+ -		+		+
·	_	•	. –	·	_	Ċ		Ī			purchase_date		-	
+		+		+		-+		- +		+ -		+		+
-	1007		107	1	7		3		165000	l	2015-05-05		nagpur	
	1015	1	101	1	5	1	2		100000		2020-11-21	I	mumbai	I
1	1005		101	1	5	1	1		50000	l	2016-08-22		pune	
1	1012	I	104	1	2	1	3		15000	l	1997-09-05	I	nashik	I
1	1013	I	103	I	3	I	4		12000	l	1999-05-25	I	pune	I
1	1002	I	104	I	2	I	2		10000	l	2010-03-03	I	nagpur	I
1	1003		103	I	3	١	3	١	6000	l	2001-02-08		mumbai	I
1	1011	I	105	1	1	1	2		5000		2012-12-12	I	mumbai	I
Ī	1004	I	102	I	4	ı	4	١	4000	l	2003-02-02	I	nashik	I
1	1008	I	108	1	8	1	4		3200		2005-05-05	I	mumbai	I
Ī	1001	I	105	I	1	ı	1	١	2500	l	2020-02-02	I	pune	I
1	1009	I	109	1	9	1	1		1200		2015-09-09	I	nashik	I
Ī	1006	I	106	I	3	ı	2	١	1000	l	2016-08-22	I	pune	I
Ī	1014	I	102	I	4	ı	1	١	1000	l	2011-08-15	I	nagpur	I
ı	1010	I	110	I	10	ı	1	١	300	ĺ	2001-05-23	I	nagpur	I
+		-+		-+		-+		- +		+ -		+		+

15 rows in set (0.00 sec)

Display the name of customers whose first name starts with "Rav". (String matching:Like operator)

mysql> select fname from customer where fname like "rav%";

```
+----+
| fname |
+----+
| raveena |
| ravi
+----+
2 rows in set (0.00 sec)
Display the name of customer whose order amount is greater than all
the customers. (Relational Operator: <, >, <=, >=, = =,!=)
mysql> select fname, lname from customer, orders where customer.cust id =
orders.cust id order by amount desc limit 1;
+----+
| fname | lname
+----+
| elina | fernandes |
+----+
1 row in set (0.00 sec)
Display order details of customer whose city name is "Pune" and
purchase date is "22/08/2016" (Boolean Operators: and, or)
mysql> select * from orders where city = 'pune' and purchase date = '2016-8-22';
+----+
| order_id | prod_id | cust_id | quantity | amount | purchase_date | city |
+-----
                    5 l
                            1 | 50000 | 2016-08-22
    1005 |
            101 l
                                                | pune |
    1006 |
            106 |
                   3 |
                           2 | 1000 | 2016-08-22
+----+
2 rows in set (0.00 sec)
Add discount of 5% to all the customers whose order is more than Rs.
10000/-.(Arithmetic Operators +, -, *, /)
mysql> select * from orders;
+----+
order id | prod id | cust id | quantity | amount | purchase date | city |
```

+			+	++
	1001	105	1	1 2500 2020-02-02 pune
	1002	104	2	2 10000 2010-03-03 nagpur
	1003	103	3	3 6000 2001-02-08 mumbai
	1004	102	4	4 4000 2003-02-02 nashik
1	1005	101	5	1 50000 2016-08-22 pune
	1006	106	3	2 1000 2016-08-22 pune
	1007	107	7	3 165000 2015-05-05 nagpur
	1008	108	8	4 3200 2005-05-05 mumbai
	1009	109	9	1 1200 2015-09-09 nashik
	1010	110	10	1 300 2001-05-23 nagpur
	1011	105	1	2 5000 2012-12-12 mumbai
	1012	104	2	3 15000 1997-09-05 nashik
	1013	103	3	4 12000 1999-05-25 pune
	1014	102	4	1 1000 2011-08-15 nagpur
	1015	101	5	2 100000 2020-11-21 mumbai
+	+	+	+	++

15 rows in set (0.00 sec)

mysql> update orders set amount = amount - (0.05 * amount) where amount > 10000; Query OK, 5 rows affected (0.00 sec)

Rows matched: 5 Changed: 5 Warnings: 0

mysql> select * from orders;

+	+-	+	+	+	+		++
I	order_id	prod_id	cust_id	quantity	amount	purchase_date	city
+	+-	+	+	+	+		++
I	1001	105	1	1	2500	2020-02-02	pune
	1002	104	2	2	10000	2010-03-03	nagpur
	1003	103	3	3	6000	2001-02-08	mumbai
-	1004	102	4	4	4000	2003-02-02	nashik
-	1005	101	5	1	47500	2016-08-22	pune
	1006	106	3	2	1000	2016-08-22	pune
	1007	107	7	3	156750	2015-05-05	nagpur
-	1008	108	8	4	3200	2005-05-05	mumbai

1	1009	109	9	1	1200 2015-09-09	nashik
1	1010	110	10	1	300 2001-05-23	nagpur
1	1011	105	1	2	5000 2012-12-12	mumbai
1	1012	104	2	3	14250 1997-09-05	nashik
1	1013	103	3	4	11400 1999-05-25	pune
1	1014	102	4	1	1000 2011-08-15	nagpur
1	1015	101	5	2	95000 2020-11-21	mumbai
+		+	+	+-		++

15 rows in set (0.00 sec)

Delete Purchase Order 1001.

mysql> delete from orders where order_id = 1001; Query OK, 1 row affected (0.00 sec)

mysql> select * from orders;

+	+	+	+		+-	+		+	+
	order_id	prod_id	cust_id	quantity		amount	purchase_date	I	city
+	+	+	+		+-	+		+	+
١	1002	104	2	2		10000	2010-03-03	Ī	nagpur
1	1003	103	3	3		6000	2001-02-08	I	mumbai
1	1004	102	4	4		4000	2003-02-02	I	nashik
	1005	101	5	1	l	47500	2016-08-22	I	pune
	1006	106	3	2	l	1000	2016-08-22	I	pune
	1007	107	7	3	l	156750	2015-05-05	I	nagpur
	1008	108	8	4	l	3200	2005-05-05	I	mumbai
	1009	109	9	1		1200	2015-09-09		nashik
	1010	110	10	1		300	2001-05-23	I	nagpur
	1011	105	1	2	l	5000	2012-12-12	I	mumbai
	1012	104	2	3		14250	1997-09-05	I	nashik
	1013	103	3	4	l	11400	1999-05-25	I	pune
	1014	102	4	1	l	1000	2011-08-15	I	nagpur
	1015	101	5	2		95000	2020-11-21	I	mumbai
+	+	+	+		+-	+		+	+

14 rows in set (0.00 sec)