## **Implicit Cursor Example**

```
mysql> show tables;
Tables_in_miniproject_23203
cust_order_view
customer
jewellery
monthly_sales
order_items
orders
payment
unit
8 rows in set (0.00 sec)
mysql> select * from payment;
+-----
PAY0000001 OR0001 Credit Card 2025-03-20 75580
PAY0000002 | OR0002 | Debit Card | 2025-04-10 | 25000 |
| 2025-05-18 | 84700 |
PAY0000004 | OR0004 | Debit Card | 2025-07-08 | 74490 |
PAY0000005 | OR0005 | Credit Card | 2025-09-25 | 110000 |
PAY000006 OR006 Debit Card 2025-11-12 108400
PAY0000007 | OR0007 | Debit Card | 2026-03-22 | 103130 |
PAY0000008 | OR0008 | Cash | 2026-06-05 | 105380 |
PAY0000010 | OR0010 | Credit Card | 2026-12-31 | 57800 |
PAY0000011 | OR0011 | Debit Card | 2025-04-09 | 30000 |
10 rows in set (0.00 sec)
```

```
mysql> -- if payment is above 100000 then update payment mode to credit card
mysql> delimiter $$
mysql>
create procedure UpdateHighPaymentsToCreditCard()
→ begin
   update payment
\rightarrow
   set mode = 'Credit Card'
   where amount \geq 100000;
\rightarrow
\rightarrow
   select
ROW_COUNT() as 'Records Updated to Credit Card';
\rightarrow end$$
Query OK, 0 rows affected (0.01 sec)
mysql> delimiter;
mysql>
call UpdateHighPaymentsToCreditCard();
+----+
Records Updated to Credit Card
+-----+
              3 |
1 row in set (0.04 sec)
Query OK, 0 rows affected (0.05 sec)
mysql> select * from payment
\rightarrow;
+----+
| paymentid | orderid | mode | payment_date | amount |
+----+
PAY0000001 OR0001 Credit Card 2025-03-20 75580
PAY0000002 OR0002 Debit Card 2025-04-10 25000
PAY0000004 | OR0004 | Debit Card | 2025-07-08 | 74490 |
PAY0000005 | OR0005 | Credit Card | 2025-09-25 | 110000 |
PAY0000006 | OR0006 | Credit Card | 2025-11-12 | 108400 |
```

PAY0000007 | OR0007 | Credit Card | 2026-03-22 | 103130 |

## **Explicit Cursor**

```
mysql> -- show all orders with total price > 50,000
mysql> delimiter $$
mysql> create
procedure ListHighValueOrders()
→ begin
       declare done int default 0;
\rightarrow
       declare v_orderid char(6);
       declare v_custid char(5);
\rightarrow
       declare v_total_price decimal(10,2);
\rightarrow
\rightarrow
\rightarrow
declare cur_high_orders cursor for
             select orderid, custid, total_price
\rightarrow
\rightarrow
       from orders
       where total_price > 50000;
\rightarrow
\rightarrow
        declare continue handler for not found set done = 1;
\rightarrow
\rightarrow
        open cur_high_orders;
\rightarrow
\rightarrow
\rightarrow
read_loop: LOOP
                fetch cur_high_orders into v_orderid, v_custid,
                v_total_price;
                if done then
\rightarrow
```

```
leave read_loop;
\rightarrow
       end if;
\rightarrow
\rightarrow
→ select concat('Order ID: ', v_orderid , ', Customer : ', v_custid , ', Amount : ',
v_total_price) as High_Value_Order;
→ end loop;
→ close cur_high_orders;
→ end$$
Query OK, 0 rows affected (0.05 sec)
mysql>
mysql> CALL ListHighValueOrders();
^C
mysql> delimiter;
mysql> CALL ListHighValueOrders();
+-----+
High_Value_Order
+-----
Order ID: OR0001, Customer: C0001, Amount: 75580.00
+-----+
1 row in set (0.04 sec)
+-----+
High Value Order
+-----+
Order ID: OR0003, Customer: C0003, Amount: 84700.00
+-----+
1 row in set (0.05 sec)
| High_Value_Order
-----
Order ID: OR0004, Customer: C0001, Amount: 74490.00
+-----
1 row in set (0.06 sec)
```

| +  |                    |
|--|--------------------|
| -<br>  High_Value_Order<br>+   |                    |
| Order ID: OR0005 , Customer : C0004 ,                                | Amount: 110000.00  |
| +<br>1 row in set (0.06 sec)<br>+                                    |                    |
| '<br>  High_Value_Order<br>+   |                    |
| Order ID: OR0006 , Customer : C0005 ,                                | Amount : 108400.00 |
| +<br>1 row in set (0.06 sec)<br>+                                    |                    |
| +<br>  High_Value_Order<br>+   |                    |
| Order ID: OR0007 , Customer : C0002 ,                                | Amount: 103130.00  |
| +<br>1 row in set (0.07 sec)<br>+                                    |                    |
| +<br>  High_Value_Order<br>+   |                    |
| +  | Amount : 105380.00 |
| +<br>1 row in set (0.07 sec)<br>+                                    |                    |
| '<br>  High_Value_Order<br>+   |                    |
| Order ID: OR0010 , Customer : C0004 , ,                              | Amount : 57800.00  |
| +<br>1 row in set (0.08 sec)<br>Query OK, 0 rows affected (0.09 sec) | +                  |