Assignment No. 9

1)write a stored procedure to add two numbers.

```
mysql> delimiter &&
mysql> create procedure add_two_no(in n1 int,in n2 int,out sum int)
   -> begin
   -> set sum=n1+n2;
   -> end &&
Query OK, 0 rows affected (0.18 sec)

mysql> delimiter ;
mysql> call add_two_no(10,20,@sum);
Query OK, 0 rows affected (0.00 sec)

mysql> select @sum;
+------+
| @sum |
+------+
|   30 |
+------+
1 row in set (0.00 sec)
```

2)write a stored procedure which will add discount to the customers according to the order amount.

a. add discount of 5% to all the customers whos order amount is more than rs10000.

```
mysql> delimiter &&
mysql> create procedure add_discount()
   -> begin
   -> update orders set after_discount=price-((price*5)/100) where price>10000;
```

```
   -> end &&
Query OK, 0 rows affected (0.12 sec)

mysql> delimiter ;
mysql> select * from orders;
+------+--------+------+---------+-------+------------+---------+----------------+
| u_id | u_name | o_id | item    | price | o_date     | address | after_discount |
+------+--------+------+---------+-------+------------+---------+----------------+
|  101 | Rahul  | 1001 | brush   |    20 | 2023-05-08 | pune    |           NULL |
|  101 | Rahul  | 1002 | shirt   |  2000 | 2023-05-08 | pune    |           NULL |
|  101 | Rahul  | 1003 | jeans   |  2500 | 2023-05-08 | pune    |           NULL |
|  102 | Neha   | 1004 | jeans   |  2500 | 2023-05-08 | mumbai  |           NULL |
|  102 | Neha   | 1005 | shoes   |  5000 | 2023-05-08 | mumbai  |           NULL |
|  103 | Simran | 1006 | apple 7 | 47500 | 2023-05-08 | pune    |           NULL |
|  105 | Jenny  | 1008 | tv      | 50000 | 2023-05-08 | nagpur  |           NULL |
+------+--------+------+---------+-------+------------+---------+----------------+
7 rows in set (0.00 sec)

mysql> call add_discount();
Query OK, 2 rows affected (0.12 sec)

mysql> select * from orders;
+------+--------+------+---------+-------+------------+---------+----------------+
| u_id | u_name | o_id | item    | price | o_date     | address | after_discount |
+------+--------+------+---------+-------+------------+---------+----------------+
|  101 | Rahul  | 1001 | brush   |    20 | 2023-05-08 | pune    |           NULL |
|  101 | Rahul  | 1002 | shirt   |  2000 | 2023-05-08 | pune    |           NULL |
|  101 | Rahul  | 1003 | jeans   |  2500 | 2023-05-08 | pune    |           NULL |
|  102 | Neha   | 1004 | jeans   |  2500 | 2023-05-08 | mumbai  |           NULL |
```

| 102 | Neha | 1005 | shoes | 5000 | 2023-05-08 | mumbai | NULL |

| 103 | Simran | 1006 | apple 7 | 47500 | 2023-05-08 | pune | 45125 |

| 105 | Jenny | 1008 | tv | 50000 | 2023-05-08 | nagpur | 47500 |

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

7 rows in set (0.00 sec)

b. add discount of 15% to all the customers whos order amount is more than rs25000.

mysql> delimiter &&

mysql> create procedure add_discount_10()

-> begin

-> update orders set price=price-((price*15)/100) where price>25000;

-> end &&

Query OK, 0 rows affected (0.11 sec)

mysql> delimiter ;

mysql> call add_discount_10();

Query OK, 2 rows affected (0.09 sec)

mysql> select * from orders;

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

| u_id | u_name | o_id | item | price | o_date | address | after_discount |

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

| 101 | Rahul | 1001 | brush | 20 | 2023-05-08 | pune | NULL |

| 101 | Rahul | 1002 | shirt | 2000 | 2023-05-08 | pune | NULL |

| 101 | Rahul | 1003 | jeans | 2500 | 2023-05-08 | pune | NULL |

| 102 | Neha | 1004 | jeans | 2500 | 2023-05-08 | mumbai | NULL |

| 102 | Neha | 1005 | shoes | 5000 | 2023-05-08 | mumbai | NULL |

| 103 | Simran | 1006 | apple 7 | 40375 | 2023-05-08 | pune | 45125 |

| 105 | Jenny | 1008 | tv | 42500 | 2023-05-08 | nagpur | 47500 |

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

7 rows in set (0.00 sec)

3)write a stored procedure to count no. of customers who ordered the product without using aggregate function.

```
mysql> delimiter &&
mysql> create procedure UniqueCust()
 -> begin
 -> select count(distinct(u_id)) as "Total Customers" from orders;
 -> end &&
Query OK, 0 rows affected (0.07 sec)
mysql> delimiter ;
mysql> call UniqueCust();
+-----------------+
| Total Customers |
+-----------------+
| 3 |
+-----------------+
1 row in set (0.04 sec)
Query OK, 0 rows affected (0.05 sec)
```

4)write a stored procedure to display details of customers who stay in pune.

mysql> select * from customers;

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

| u_id | u_name | address |

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

| 101 | Rahul | pune |

| 102 | Neha | mumbai |

| 103 | Simran | pune |

| 105 | Jenny | nagpur |

```
+------+--------+---------+
4 rows in set (0.00 sec)

mysql> delimiter &&
mysql> create procedure pune_cust()
   -> begin
   -> select * from customers where address='pune';
   -> end &&
Query OK, 0 rows affected (0.11 sec)

mysql> delimiter ;
mysql> call pune_cust();
+------+--------+---------+
| u_id | u_name | address |
+------+--------+---------+
|  101 | Rahul  | pune    |
|  103 | Simran | pune    |
+------+--------+---------+
2 rows in set (0.01 sec)

Query OK, 0 rows affected (0.01 sec)
```

5)write a stored procedure to accept customer no from user and will display his purchase amount.

```
mysql> select * from customers;
+------+--------+---------+------------+
| u_id | u_name | address | phone_no   |
+------+--------+---------+------------+
|  101 | Rahul  | pune    | 987654321  |
```

```
| 102 | Neha   | mumbai  | 1234567890 |
| 103 | Simran | pune    | 1234598760 |
| 105 | Jenny  | nagpur  | 7890598760 |
+------+--------+---------+------------+
4 rows in set (0.00 sec)

mysql> delimiter ;
mysql> delimiter &&
mysql> create procedure phone_order(in ph varchar(10))
   -> begin
   -> select * from customers where phone_no=ph;
   -> end &&
Query OK, 0 rows affected (0.14 sec)

mysql> delimiter ;
mysql> call phone_order('1234567890');
+------+--------+---------+------------+
| u_id | u_name | address | phone_no   |
+------+--------+---------+------------+
| 102 | Neha   | mumbai  | 1234567890 |
+------+--------+---------+------------+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

6)write a procedure to get customer and data item information for a specific purchase order.

```
mysql> delimiter &&
mysql> create procedure SpecificPurchase(IN o_id int)
 -> begin
 -> select orders.o_Id as "OrderId", customers.u_name, orders.item as "Product Name",
orders.after_discount from orders
 -> inner join customers on orders.u_id = customers.u_id
 -> inner join products on orders.item = products.item
 -> where orders.o_id = o_id;
 -> end &&
Query OK, 0 rows affected (0.16 sec)
mysql> delimiter ;
mysql> call getSpecificPurchase(1);
+---------+-----------+-----------+-----------------+-----------------+
| OrderId | u_name | Product Name | Discounted_Price |
+---------+-----------+-----------+-----------------+-----------------+
|     4     |      Neha     |       shirt         |   1000    |
+---------+-----------+-----------+-----------------+-----------------+
1 row in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
```

7)write a stored procedure to find the purchase details of all the customers who made shopping today.

```
mysql> delimiter &&
mysql> create procedure TodayPurchases()
 -> begin
 -> select orders.o_id as "Order Id", customers.u_name, products.item as "Product Name",
products.after_discount as "Purchase Value" from orders inner join customers on
orders.u_id = customers.u_id inner join products on
orders.p_id = products.p_id where cast(orders.date as date) = curdate();
```

```
 -> end &&
Query OK, 0 rows affected (0.14 sec)
mysql> delimiter ;
mysql> call TodayPurchases();
+----------+-----------+-----------+-------------+---------------+
| Order Id | FirstName | Product Name | Purchase Value |
+----------+-----------+-----------+-------------+---------------+
|    4     |      Neha     |      shirt          | 1000 |
|    6     |      Simran   |    blue jeans   | 2500 |
+----------+-----------+-----------+-------------+---------------+
2 rows in set (0.01 sec)
```

8)write a stored procedure to accept a number from the user and to display if it is even or odd.

```
mysql> delimiter &&
mysql> create procedure evenOdd ( IN val INT, OUT msg VARCHAR(10) )
   -> begin
   -> IF (mod(val, 2) = 0) then
   ->    set msg = 'EVEN';
   -> else
   ->    set msg = 'ODD';
   -> end if;
   -> end &&
Query OK, 0 rows affected (0.15 sec)

mysql> delimiter ;
mysql> call evenOdd(12, @msg);
Query OK, 0 rows affected (0.00 sec)

mysql> select @msg;
+------+
```

```
| @msg |
+------+
| EVEN |
+------+
1 row in set (0.00 sec)

mysql> call evenOdd(9, @msg);
Query OK, 0 rows affected (0.00 sec)

mysql> select @msg;
+------+
| @msg |
+------+
| ODD  |
+------+
1 row in set (0.00 sec)
```