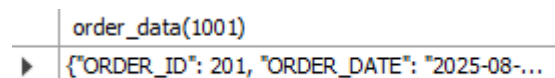


## Function And Store Procedure:-

In Function Implemented JSON :-

```
delimiter //  
create function order_data(customerId int)  
returns json  
deterministic  
begin  
declare result JSON;  
select json_object('ORDER_ID',order_id,'ORDER_DATE',Order_Date)  
into result from orders where customer_id = customerId limit 1;  
return result;  
end //  
delimiter ;
```



The screenshot shows a SQL query result. The query is `order_data(1001)`. The result is a JSON object: `{"ORDER_ID": 201, "ORDER_DATE": "2025-08-..."}`. The JSON object is displayed in a table with one row and one column.

To Categorize Orders Based on Amount

```
delimiter //  
create function order_result(orderAmount decimal(10,2))  
returns varchar(100)  
deterministic  
begin  
    declare amt decimal(10,2);
```

```

declare result varchar(30);

set amt = orderAmount;

set result = case
    when amt < 500 then 'Lower'
    when amt > 500 and amt < 1000 then 'Middle'
    when amt > 1000 then 'Larger'
end;

return result;

end //

delimiter ;

select orders.order_id,
customer.customer_id,
customer.customer_name,
orders.amount,
sales_order.order_result(amount) as status
from orders join customer on customer.customer_id = orders.customer_id;

```

order_id	customer_id	customer_name	amount	status
201	1001	Acme Corp	1200.00	Larger
202	1001	Acme Corp	1850.00	Larger
203	1002	Global Trader	760.00	Middle
204	1003	Tech Solution	1340.00	Larger
206	1003	Tech Solution	300.00	Lower

To Mark Orders as 'Large' or 'Small'

```

delimiter //

create function New_Order_Data(orderAmount decimal(10,2))

```

returns varchar(100)

deterministic

begin

    declare amt decimal(10,2);

    declare result varchar(100);

    set amt = orderAmount;

    set result = if(amt > 500,'Larger','Smaller');

    return result;

end //

delimiter ;

select orders.order\_id,

customer.customer\_id,

orders.amount,

sales\_order.New\_Order\_Data(orders.amount) as Status

from orders join customer on orders.customer\_id = customer.customer\_id;

order_id	customer_id	amount	Status
201	1001	1200.00	Larger
202	1001	1850.00	Larger
203	1002	760.00	Larger
204	1003	1340.00	Larger
206	1003	300.00	Smaller