

Delimiter \$\$

CREATE PROCEDURE sp_hello()
BEGIN

END;
\$\$

DELIMITER ;

Triggers

transactions

BEFORE/ AFTER

INSERT -> new row (NEW)

UPDATE -> data old row with new data (OLD, NEW)

DELETE -> old rows (OLD)

mysql.connector

Codd's Rules
Normalization

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order history

Singe Row Function

n i/p -> n o/p

Group Function

n i/p -> 1 row

n i/p -> group by condition -> m o/p

Window Functions -> OVER ()

1. Aggegrate Functions
2. Non Aggegrate Functions

accid	txdate	amount	balance
1	2000-01-01 00:00:00	1000	1000
1	2000-01-02 00:00:00	2000	2000
1	2000-01-03 00:00:00	-500	500
1	2000-01-04 00:00:00	-300	-300
1	2000-01-05 00:00:00	4000	4000
1	2000-01-06 00:00:00	-2000	-2000
1	2000-01-07 00:00:00	-200	-200

CTE -> Common Table Expression

-- display emps with max (sal)

1. Non Recursive CTE
2. Recursive CTE

```
seq(start ,end){  
  if(start>end)  
    return;  
  print(start)  
  seq(start+1,end);  
}  
  
seq(1,5);
```