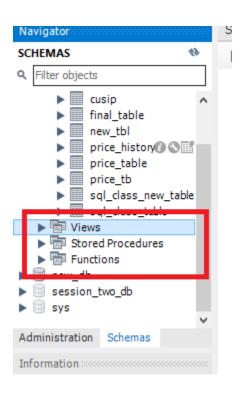
Intro to Database

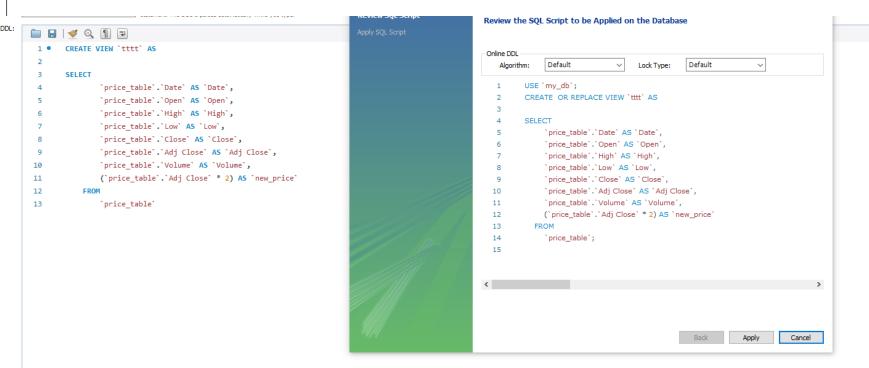
Danny Tan 11/14/2019

SQL View Table

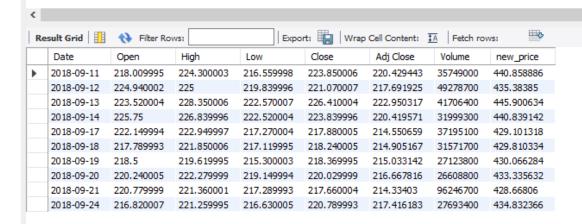
- Result set of a stored query on the data
- Allow users to query as they would in a persistent database collection object
- Does not form part of the physical schema
- Virtual Table

View Table

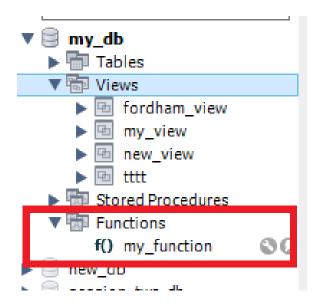








Function



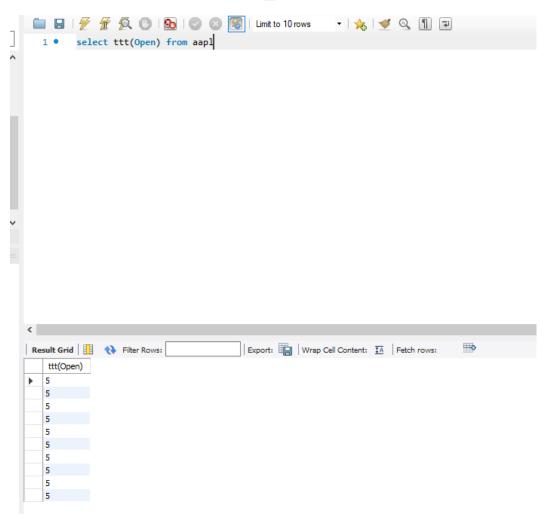
Function Example

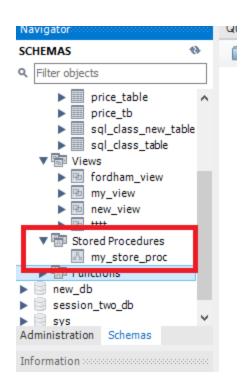
```
DL:
        CREATE DEFINER=`root`@`localhost` FUNCTION `ttt`(credit decimal(10,2)) RETURNS int(11)
                DETERMINISTIC

→ BEGIN

                  declare my_price decimal(10,3);
                  if credit >10 Then
                       set my_price = 5;
      6
                   elseif credit <=10 Then
                        set my_price = 2;
      8
                   end if;
      9
            RETURN my_price;
     10
     11
             END
```

Function Example





- Subroutine
- Perform collections of SQL
- Stored in DB

```
my_store_proc
DL:
         1 • ⊖ CREATE DEFINER=`root`@`localhost` PROCEDURE `my_store_proc`(IN my_var int,
                                             OUT out_var varchar(5))

⊖ BEGIN

       4
             declare result varchar(5);
            select *,my_var*2
       7
            from price_tb a, price_tb b
             where b.cusip = b.cusip;
       9
      10
             set result = "abc";
      11
             set out_var = result;
      12
      13
      14
             END
```

