### **PLSQL**

### STORED PROCEDURE AND FUNCTIONS

### 1.Stored Procedure:

The Stored Procedure is which performs one or more specific tasks. It is just like procedures in other programming languages.

## Syntax: DELIMITER // CREATE [OR REPLACE] PROCEDURE procedure name IS declaration section **BEGIN** executable section END; DELIMITER// Create a Stored Procedure to display the whole table create database products; use products; create table Allproducts( productID INT primary key, productName varchar(255), productprice decimal (10,2) ); insert into Allproducts (productID,productName,productprice) values (1,'laptop',1000.00), (2,'smartphone',1000.00), (3,'Earphone',50.00), (4,'Airpods',500.00);

```
*/ Stored Procedure /*

DELIMITER $$

Create Procedure GetEntireTable()

Begin

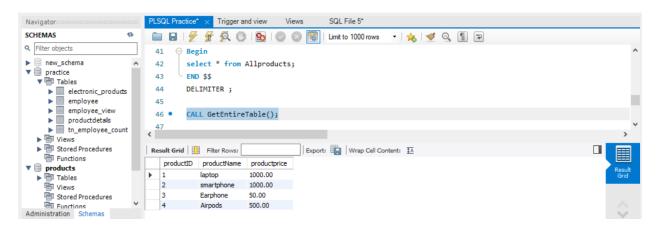
select * from Allproducts;

END $$
```

### OUTPUT:

DELIMITER;

CALL GetEntireTable();



# Create a Stored Procedure that takes a productID as Input parameter and returns the detail of the product

**DELIMITER \$\$** 

Create procedure product\_ID\_filter(in product\_ID int)

begin

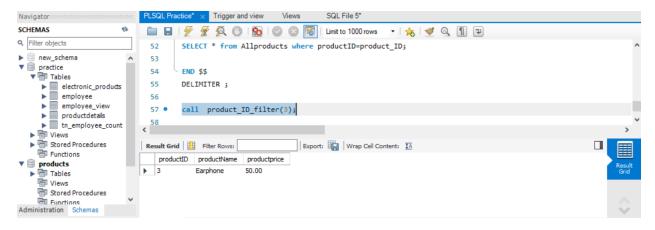
SELECT \* from Allproducts where productID=product\_ID;

END \$\$

DELIMITER;

call product\_ID\_filter(3);

**OUTPUT:** 



# Create a Function that takes a priceas as Input parameter and returns the detail of the product whose price>argument

DELIMITER \$\$

CREATE FUNCTION get\_details()

returns varchar(255)

deterministic

begin

declare product\_list varchar(255);

select group\_concat(productName separator',') into product\_list

from Allproducts

where productprice >100;

return product\_list;

END \$\$

DELIMITER;

select get\_details();

