Sargunan Prakash

PL-SQL task

STORED PROCEDURE & FUNCTION

```
Create database Store;

use Store;

/* creating the table named as Products*/

Create table Products(

Product_ID numeric(10),

Product_Name varchar(20),

Quantity numeric(10),

price numeric(10)

);


/* Insering the data into the table */

insert into products values(101,"Laptop",4,80000);


insert into products values(102,"Mobile",1,10000),

(103,"Mouse",5,1000),(104,"Keyboard",2,1500),(105,"Headphone",1,300);


/* Getting all the data what ever stored in the Tables */

Select * from Products;
```
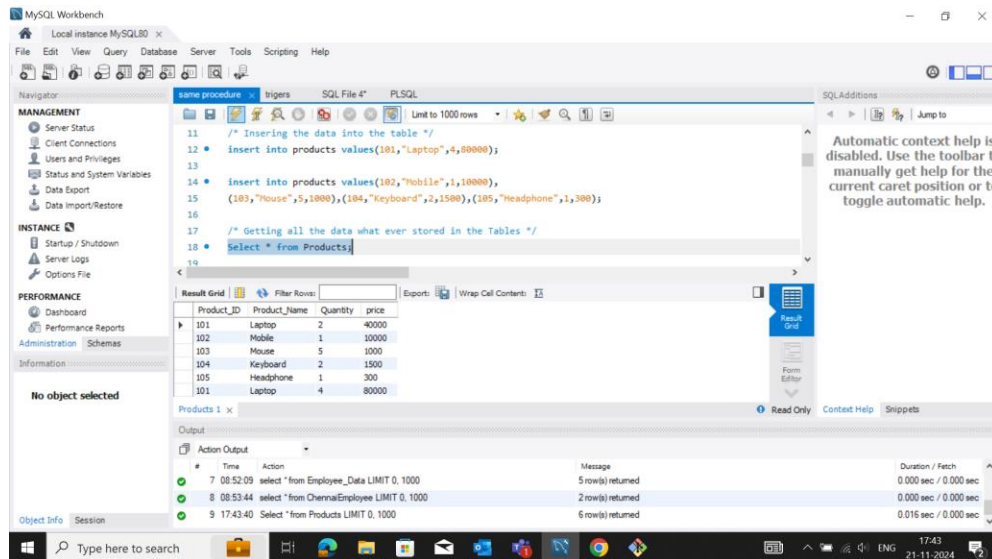
/* procedure for get all the data from the table */

Delimiter //

create procedure get_product()

begin

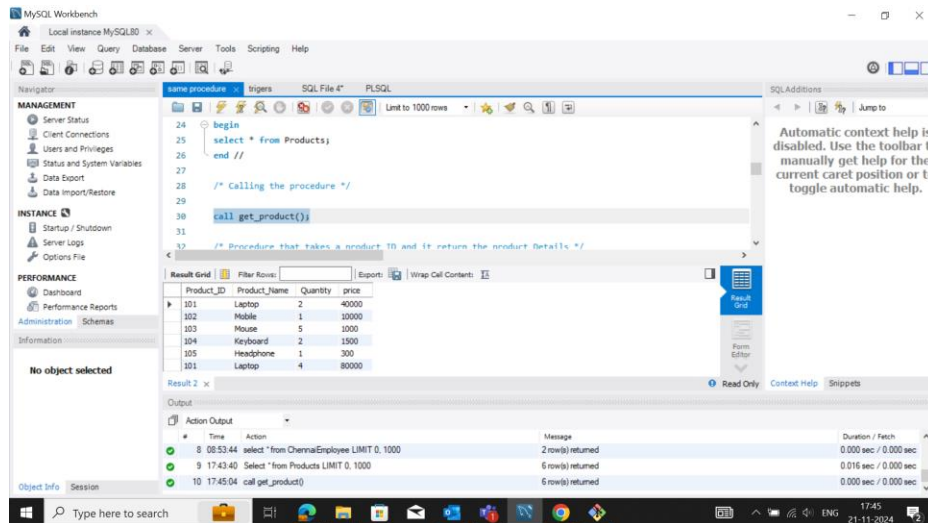select * from Products;

end //

/* Calling the procedure */

call get_product();

/* Procedure that takes a product ID and it return the product Details */

Delimiter //

create procedure get_detail(in id numeric)

begin

select * from Products Where Product_ID =id;
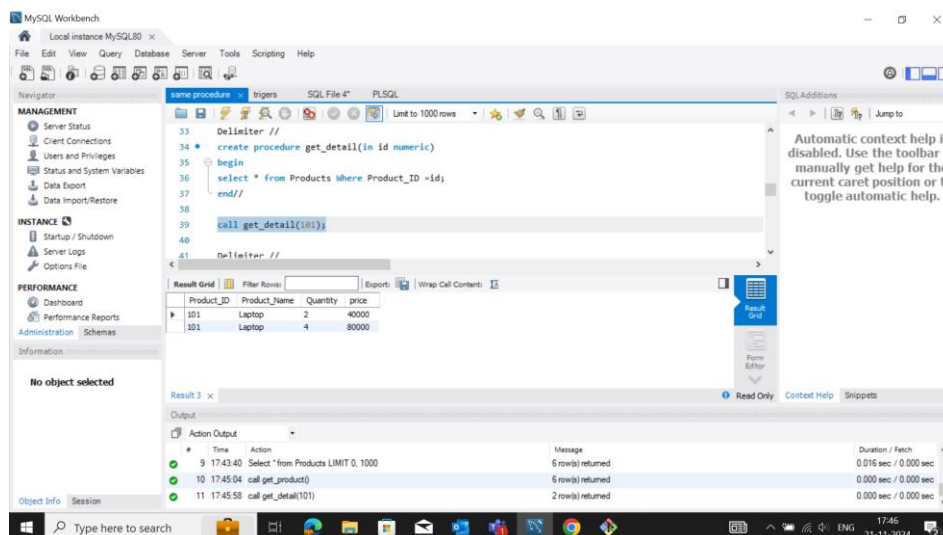
end//

call get_detail(101);

```
Delimiter //

create procedure getQty(in quantity numeric,out id numeric)

begin

select sum(Product_ID) from Products where Quantity =  quantity ;

end //
```
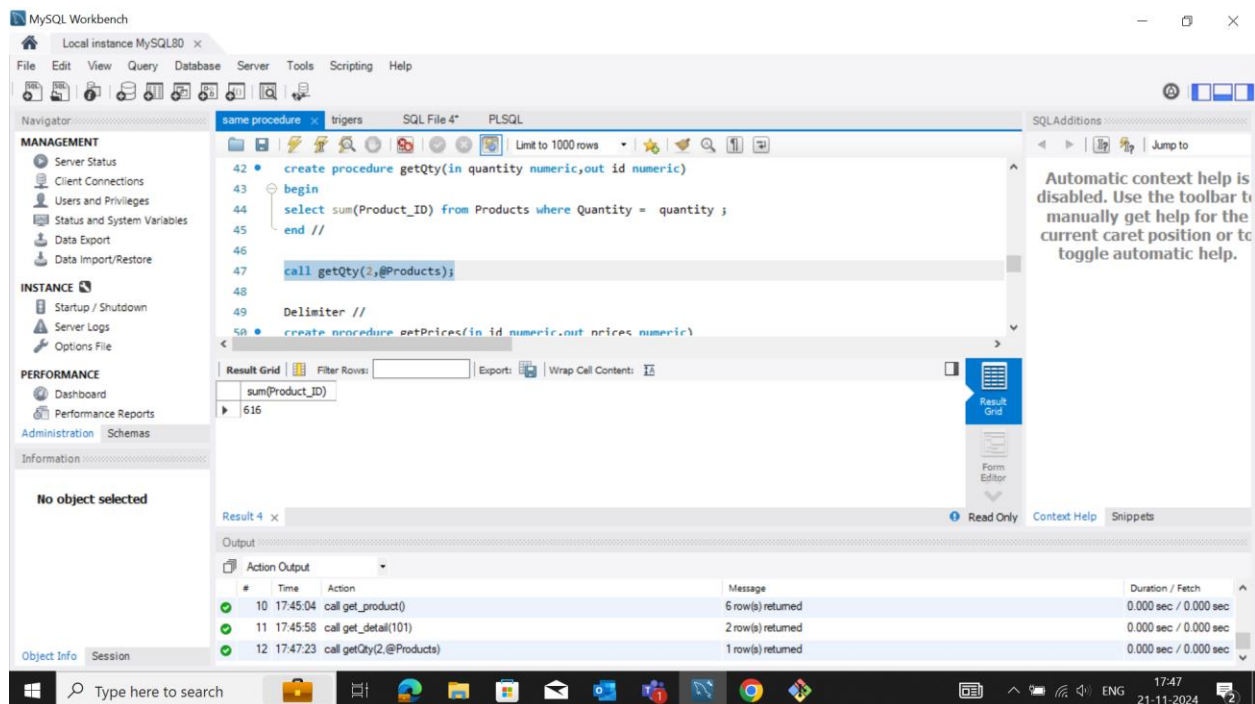
```
call getQty(2,@Products);
```



```
Delimiter //

create procedure getPrices(in id numeric,out prices numeric)

begin

select sum(price) from Products where Product_ID = id;

end//
```
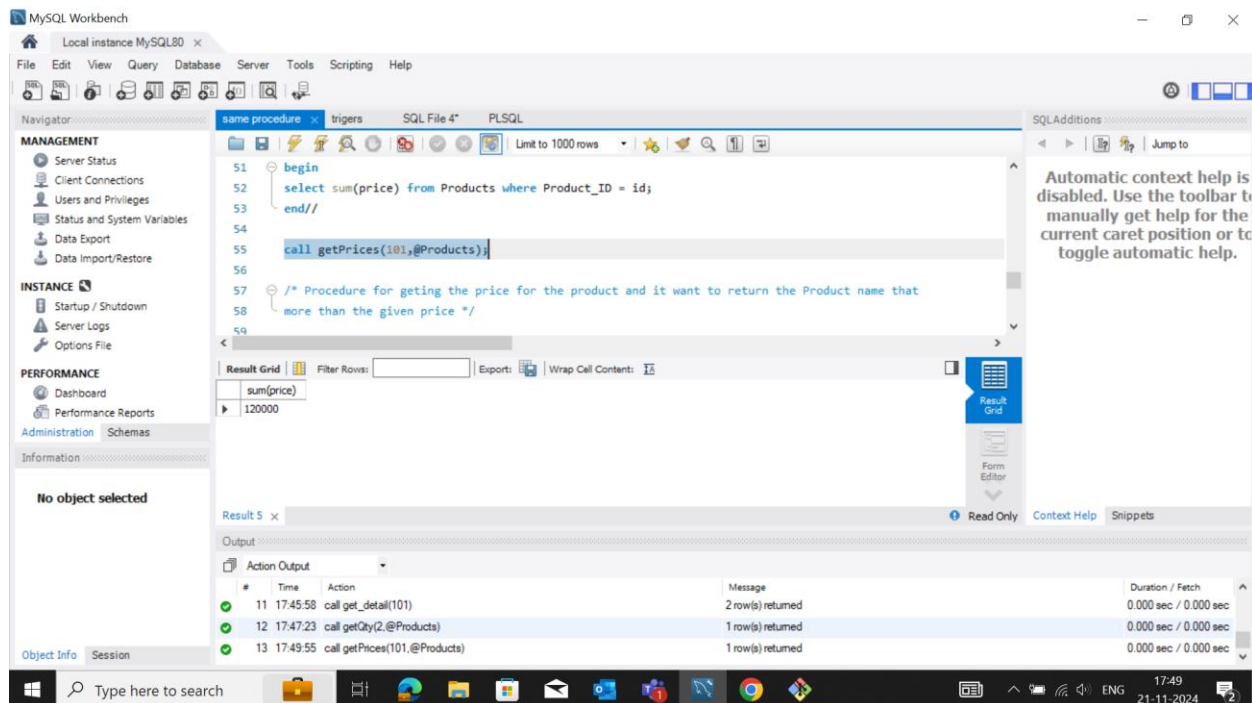
```
call getPrices(101,@Products);
```


/* Procedure for geting the price for the product and it want to
return the Product name that

more than the given price */


```
delimiter //

create function getproductdemo3(priceofproduct numeric) returns
varchar(50)

deterministic

begin

declare pname varchar(50);

select group_concat(product_name separator ', ') as Product_Name into
pname from Products where price > priceofproduct ;

return pname;

end //
```

select getproductdemo3(5000);
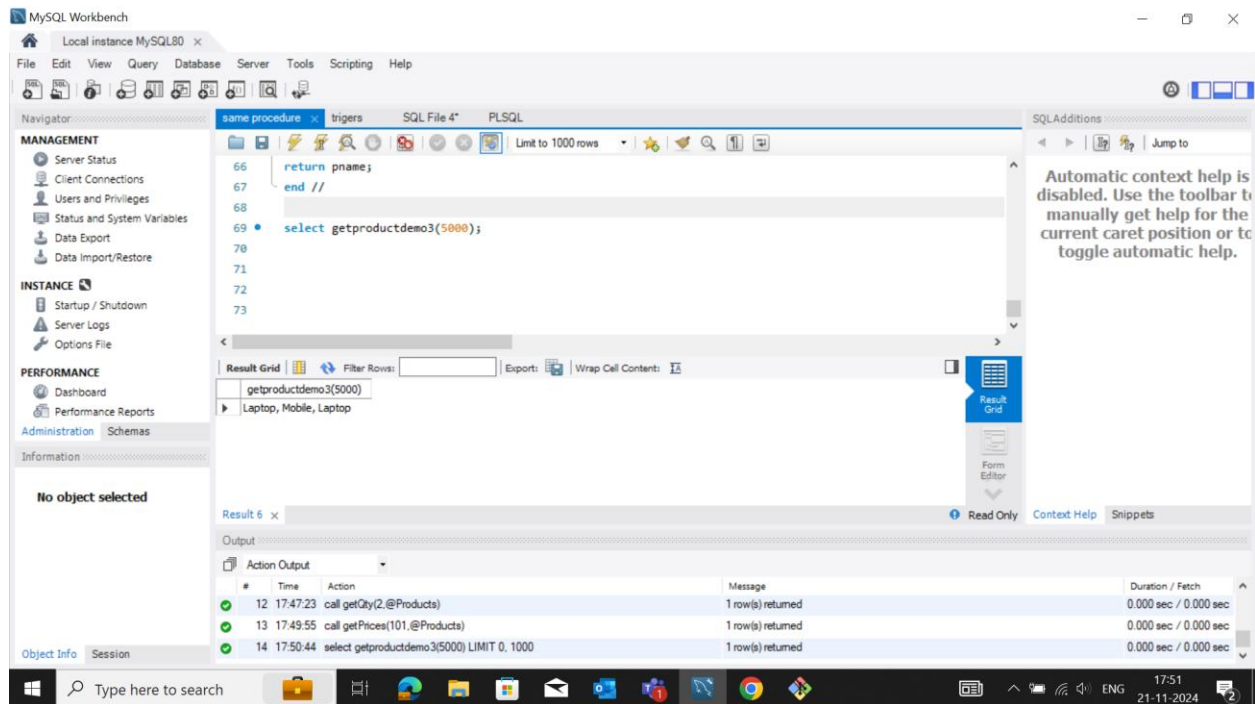
/* Created the table named as Employee */

create table Employee(

Employee_name varchar(20),

    Employee_Id numeric(10) primary key,

    Department_Id numeric(10) ,

    Employee_salary decimal(10,2))

    select * from Employee;

/* Inserting the data into the table */

```sql
    insert into Employee values('Sargunan',101,1,25000.00),
('Sanker',102,1,25000.00),('Subu',103,2,26000.00),('Praveen',104,1,250
00.00);


    /* Creating the triger procedure for counting the rows in the tables
*/


    delimiter //
create trigger get_trigger
after insert on emp
for each row
begin
update department
set emp_count = emp_count+1
where department_id = new.dep_id;
end;
//


insert into emp values(105 , 'sedhu', 2);


    select * from department;


    create table emp (
emp_id numeric primary key,
emp_name varchar(50),
dep_id numeric,
```

```
constraint fk_dept foreign key (dep_id) references
department(department_id)

);


create table department(

department_id numeric primary key,

dept_name varchar(50),

emp_count numeric

);

insert into department value(1,'ES',1),(2,'DA',1);
```
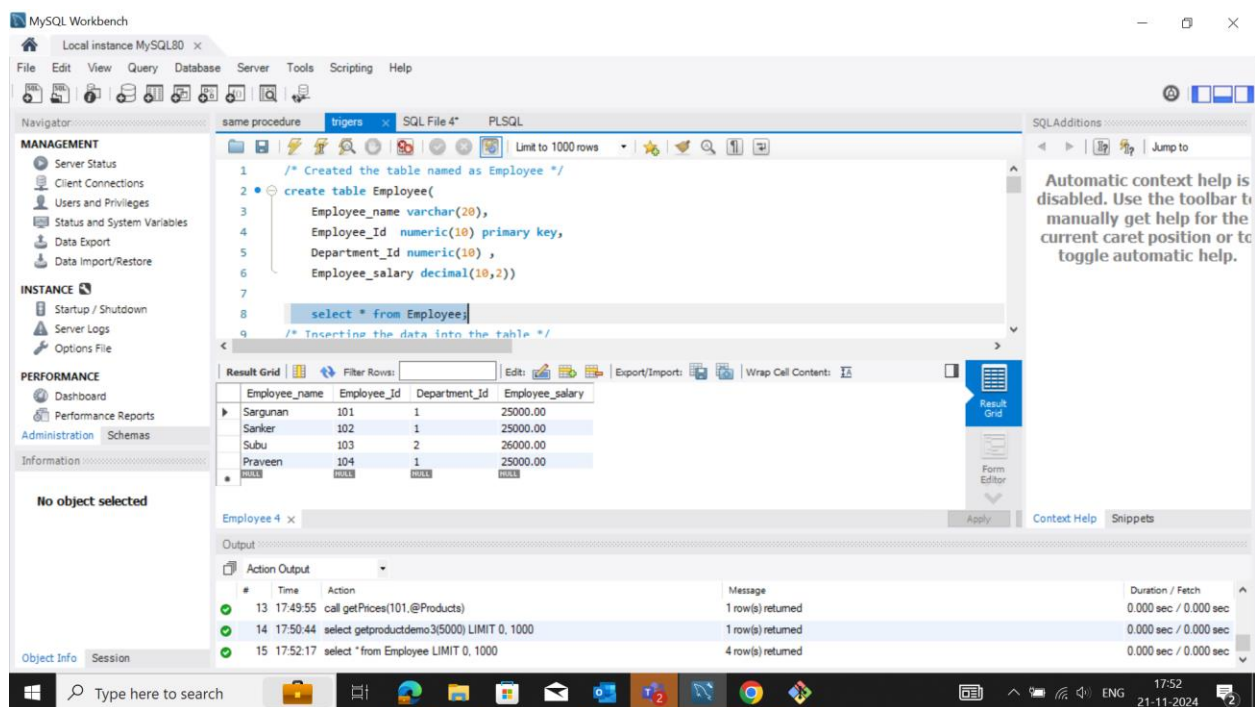


```
--   Creating the views


  create table Employee_Data(

Employee_name varchar(20),
```

```sql
    Employee_id numeric(10),

    Location varchar(20),

    Team varchar(20));


  insert into Employee_Data value('Sargunan',101,'Chennai','TN'),

('Sankar',102,'kochi','TN'),('Subu',103,'Chennai','DA'),('Praveen',104
,'chennai','TN');
insert into Employee_Data value('Praveen',104,'kochi','DA');


  create view ChennaiEmployees
  As
  Select Employee_name,Employee_id,Location,Team from Employee_Data
  where Location='chennai' and Team ='TN';


  select * from ChennaiEmployee;
```

Local instance MySQL80 ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

Navigator

MANAGEMENT
- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE
- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE
- Dashboard
- Performance Reports

Administration   Schemas

Information

No object selected

Object Info   Session

same procedure   trigers ×   SQL File 4*   PLSQL

Limit to 1000 rows

```
59        insert into Employee_Data value('Praveen',104,'kochi','DA');
60
61        create view ChennaiEmployees
62        As
63        Select Employee_name,Employee_id,Location,Team from Employee_Data
64        where Location='chennai' and Team ='TN';
65
66        select * from ChennaiEmployee;
67
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

Employee_name	Employee_id	Location	Team
Sargunan	101	Chennai	TN
Praveen	104	chennai	TN

ChennaiEmployee 5 ×

Read Only

Result Grid

Form Editor

Context Help   Snippets

SQLAdditions

Jump to

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
14	17:50:44	select getproductdemo3(5000) LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
15	17:52:17	select * from Employee LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
16	17:53:50	select * from ChennaiEmployee LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Type here to search

ENG   17:53   21-11-2024