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Designation : Trainee

Domain : Testing

PL/SQL TASK

Day 1

1. Create Table for Product details

The screenshot shows the MySQL Workbench interface. The 'PLSQL (Procedure & Function)' editor is open, displaying the following SQL script:

```
1 create database items;
2 use items;
3 create table product_details(
4 product_id int auto_increment primary key,
5 product_name varchar(100),
6 product_stock int,
7 product_price int
8 );
9 insert into product_details (product_id,product_name,product_stock,product_price) values
10 (1,'Laptop',25,70000,2023-11-12),
11 (2,'Android Phone',20,20000,2026-06-06),
12 (3,'Iphone',26,55000,2026-11-03),
13 (4,'Tablet',18,30000,2029-04-01),
14 (5,'Bluetooth',29,2000,2029-12-19),
15 (6,'Airpod',20,2500,2022-06-27);
16 select * from product_details;
```

The 'Output' pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
58	23:32:37	select * from count_product LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
59	23:34:27	use items	0 row(s) affected	0.000 sec
60	23:34:34	select * from product_details LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

The screenshot shows the MySQL Workbench interface with the 'Result Grid' pane open, displaying the data from the 'product_details' table:

product_id	product_name	product_stock	product_price	expiryDate
1	Laptop	25	70000	2023-11-12
2	Android Phone	20	20000	2026-06-06
3	Iphone	26	55000	2026-11-03
4	Tablet	18	30000	2029-04-01
5	Bluetooth	29	2000	2029-12-19
6	Airpod	20	2500	2025-06-27

The 'Output' pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	22:15:31	use items	0 row(s) affected	0.000 sec
2	22:15:51	select * from product_details LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

Day 2

2. Create Stored Procedure that takes a product ID as input parameter and return the details of the product.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'items' expanded, showing 'Tables', 'Views', 'Stored Procedures', and 'Functions'. The main editor window shows the following SQL code:

```
17
18 delimiter $$
19 • create procedure getDetails(In prod_id int)
20 begin
21 select * from product_details where product_id = prod_id;
22 end;
23 delimiter;
24 call getDetails(3);
25
26
27
28
29
```

The 'Output' pane at the bottom shows the execution results:

#	Time	Action	Message	Duration / Fetch
2	22:15:51	select * from product_details LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
3	22:16:19	call getproductdetails(2)	Error Code: 1054. Unknown column 'productID' in 'where clause'	0.000 sec
4	22:16:26	call getDetails(3)	1 row(s) returned	0.000 sec / 0.000 sec

The screenshot shows the MySQL Workbench interface after executing the stored procedure. The main editor window shows the following SQL code:

```
22 end;
23 delimiter;
24 call getDetails(3);
25
```

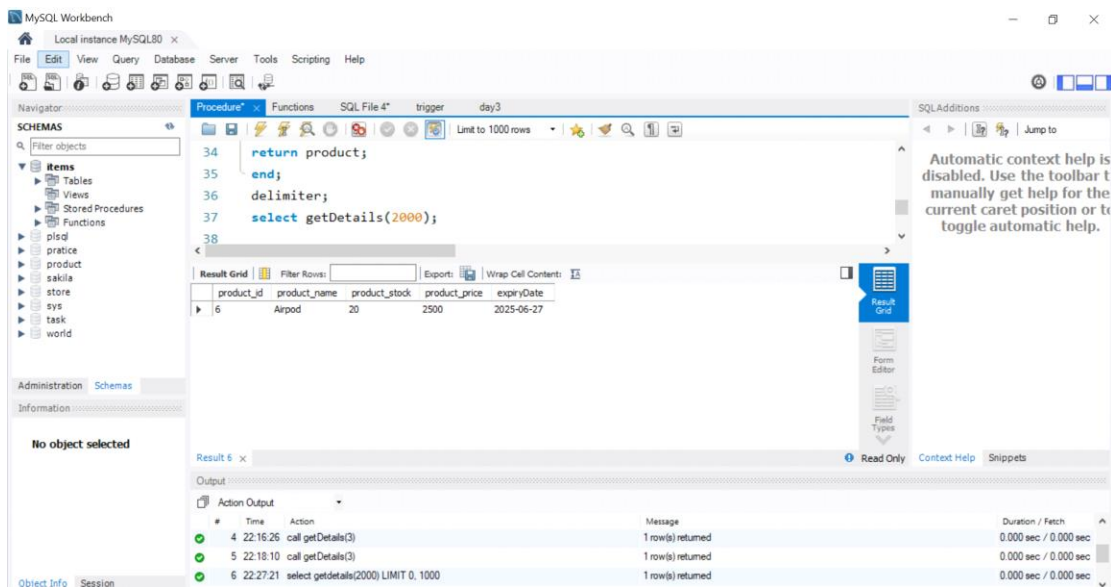
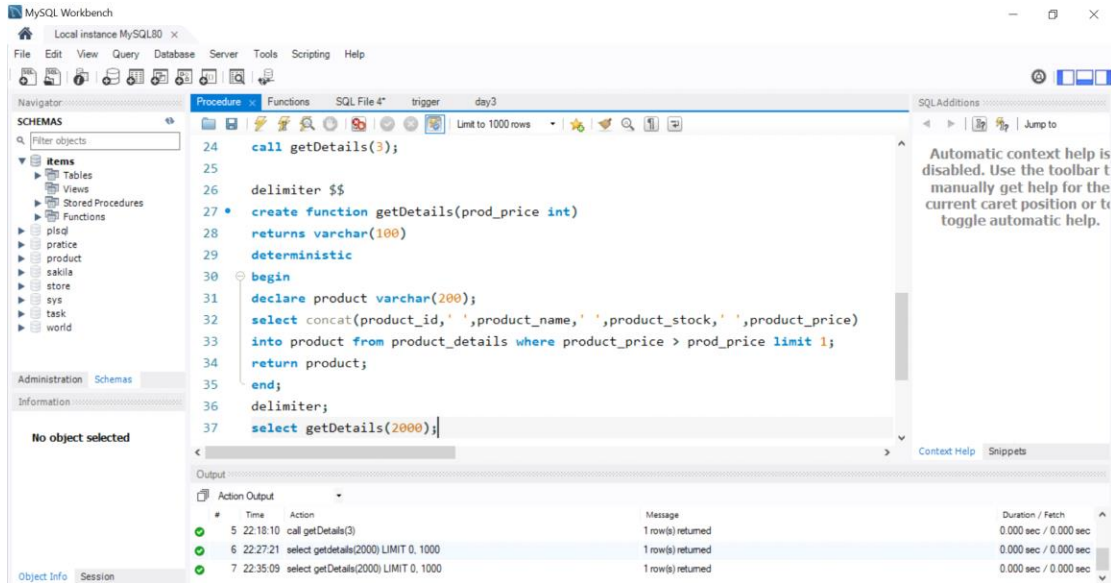
The 'Result Grid' pane at the bottom shows the execution results:

product_id	product_name	product_stock	product_price	expiryDate
3	Iphone	26	55000	2026-11-03

The 'Action Output' pane at the bottom shows the execution results:

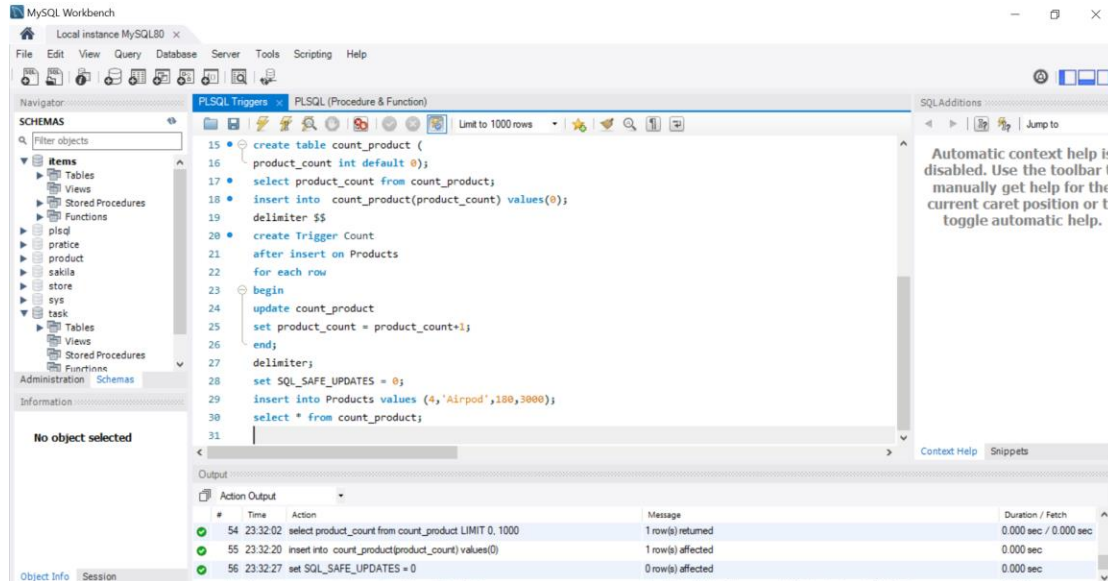
#	Time	Action	Message	Duration / Fetch
3	22:16:19	call getproductdetails(2)	Error Code: 1054. Unknown column 'productID' in 'where clause'	0.000 sec
4	22:16:26	call getDetails(3)	1 row(s) returned	0.000 sec / 0.000 sec
5	22:18:10	call getDetails(3)	1 row(s) returned	0.000 sec / 0.000 sec

3. Create function that takes price as an argument and return the details of the products whose price > argument

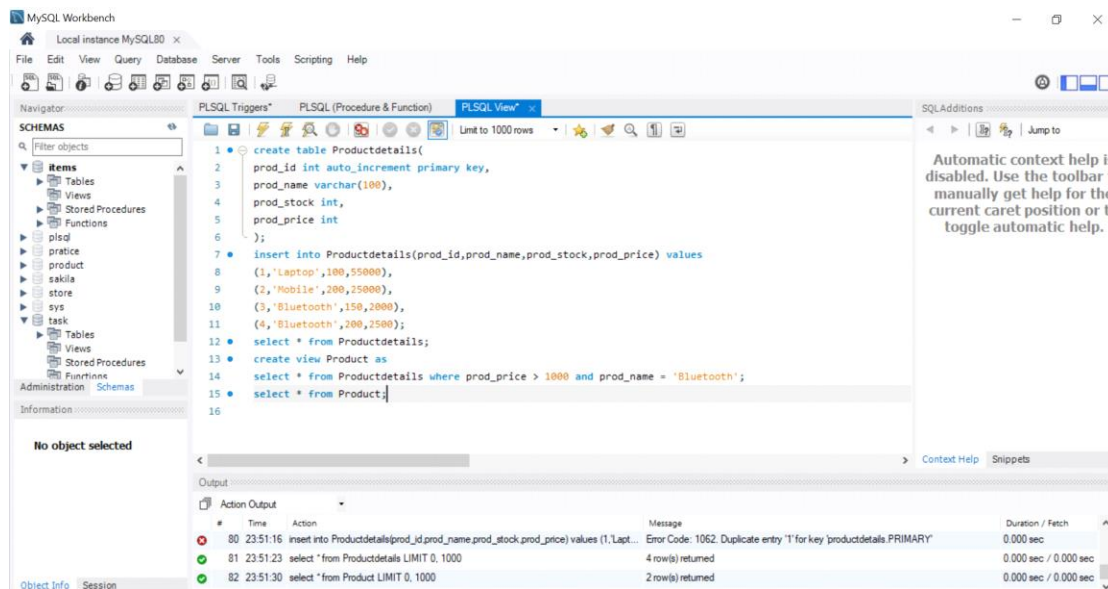


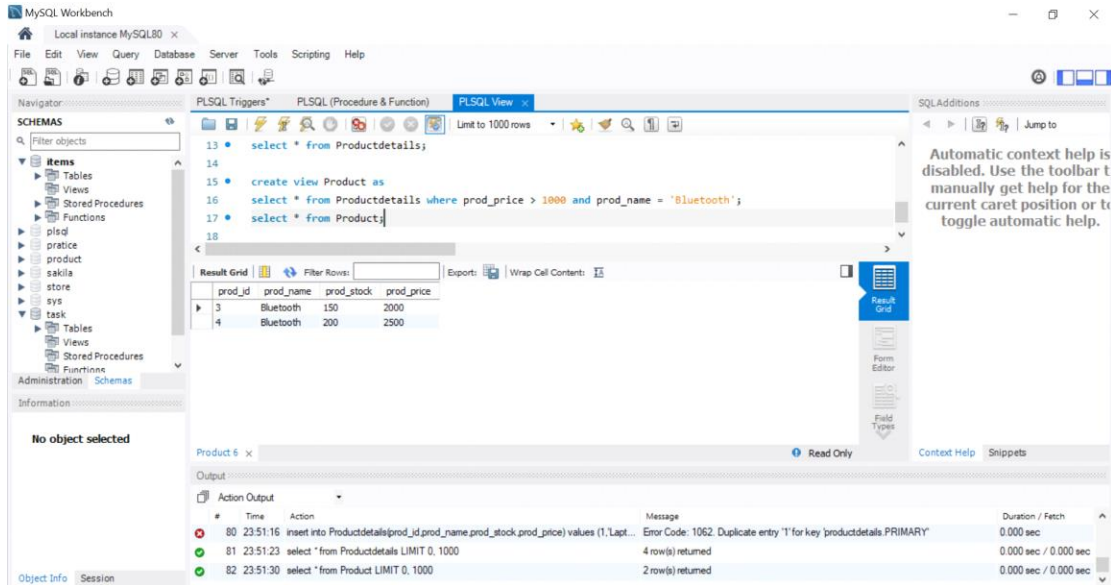
Day 3

4. Create a trigger that display the count of rows after inserting a new record.



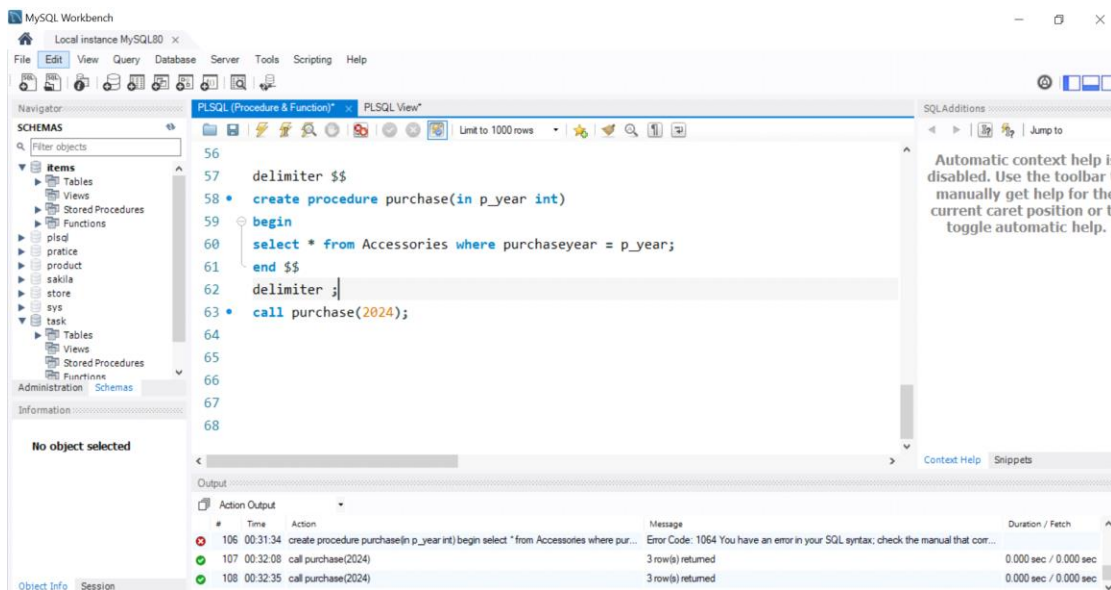
5. Create a view that displays the details of product from bluetooth and price > 1000.

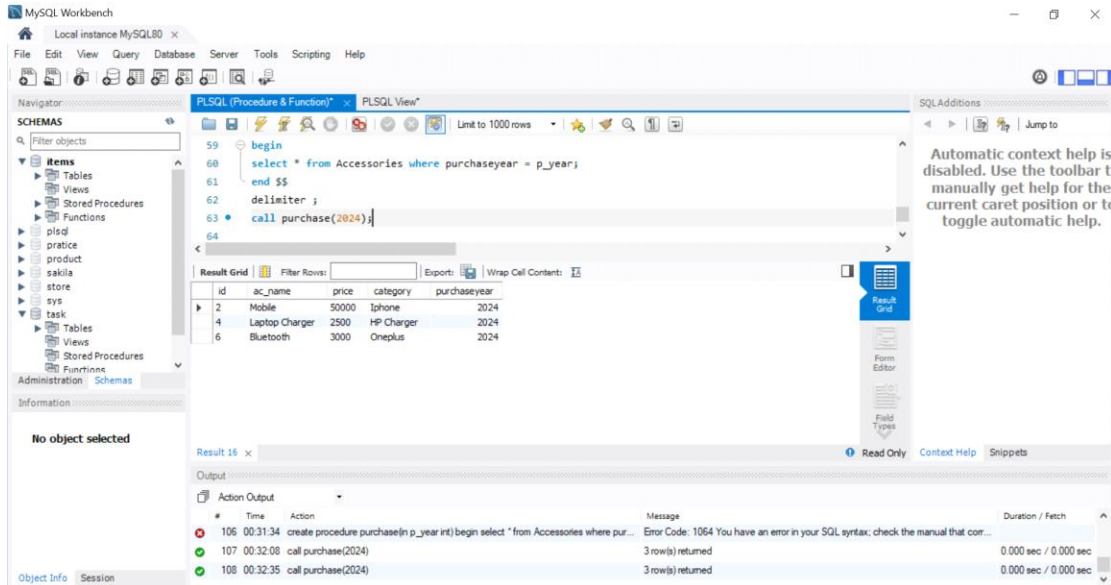




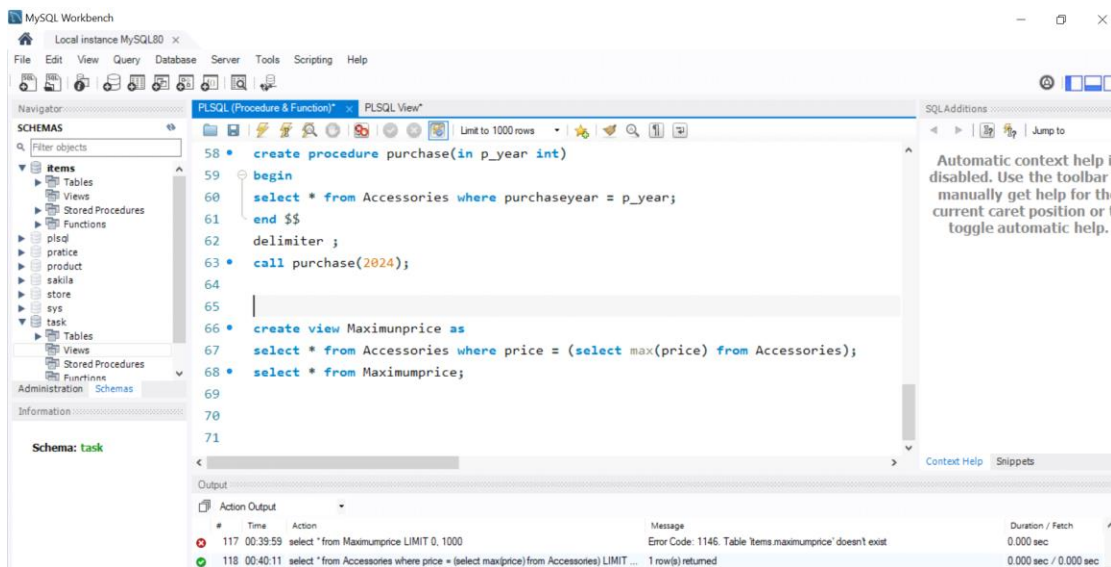
Day 4

6. Write a procedure that returns the details of the products which is purchased in a specific year.





7. Create a view that displays the details of the product which is maximum.



MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- items
 - Tables
 - Views
 - Stored Procedures
 - Functions
- plsql
- pratic
- product
- sakila
- store
- sys
- task
 - Tables
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

Schema: task

PLSQL (Procedure & Function) PLSQL View*

Limit to 1000 rows

```
63 • call purchase(2024);
64 |
65 • create view Maximunprice as
66 select * from Accessories where price = (select max(price) from Accessories);
67 • select * from Maximunprice;
```

Result Grid

	id	ac_name	price	category	purchaseyear
▶	3	Laptop	55000	HP	2022

Accessories 20 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
117	00:39:59	select * from Maximunprice LIMIT 0, 1000	Error Code: 1146. Table 'items.maximunprice' doesn't exist	0.000 sec
118	00:40:11	select * from Accessories where price = (select max(price) from Accessories) LIMIT ...	1 row(s) returned	0.000 sec / 0.000 sec

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