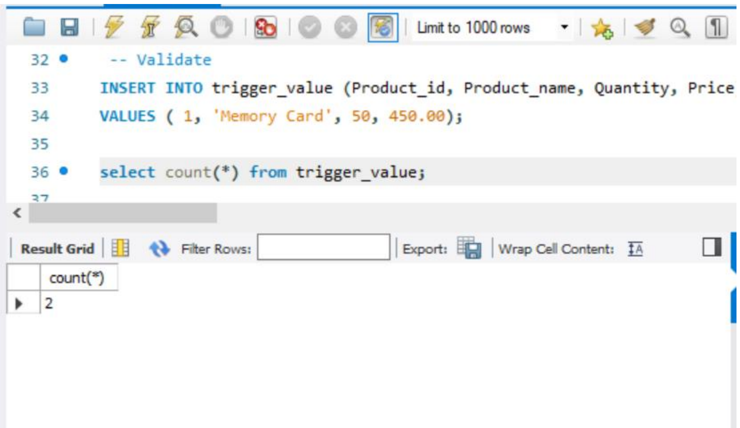
Name: Gowtham Raja Task: PLSQL
Date: 20-11-2024

1. Create a trigger that displays the count of row fire after inserting a new record to a product table (Before / after Insert):

```
create database MODEL;
use MODEL;

CREATE TABLE  trigger_table(
Product_id int,
Product_name varchar(200),
Quantity int not null,
Price decimal (10,2)
);

CREATE TABLE trigger_value (
Product_id int,
Product_name varchar(200),
Quantity int not null,
Price decimal (10,2)
);

-- After trigger

DELIMITER $$
CREATE TRIGGER after_insert_value
AFTER INSERT ON trigger_value
FOR EACH ROW
BEGIN
   INSERT INTO trigger_table (Product_id, Product_name, Quantity ,
Price )
   VALUES (new.Product_id, new.Product_name, new.Quantity, new.Price);
END $$
DELIMITER ;

-- Validate
INSERT INTO trigger_value (Product_id, Product_name, Quantity, Price)
VALUES ( 1, 'Memory Card', 50, 450.00);

select count(*) from trigger_value;


-- BEFORE TRIGGER
```

```
CREATE TRIGGER before_insert_value
BEFORE INSERT ON trigger_value
FOR EACH ROW
BEGIN
   INSERT INTO trigger_table (Product_id, Product_name, Quantity ,
Price )
   values (new.Product_id, new.Product_name, new.Quantity, new.Price)
END $$
DELIMITER ;


INSERT INTO trigger_value (Product_id, Product_name, Quantity , Price)
VALUES (2, 'iphone', 25, 75000.00);

select * from  trigger_value;
SELECT COUNT(*) FROM trigger_table;
```

Example:



```
 -- Validate
INSERT INTO trigger_value (Product_id, Product_name, Quantity, Price
VALUES ( 1, 'Memory Card', 50, 450.00);

select count(*) from trigger_value;
```

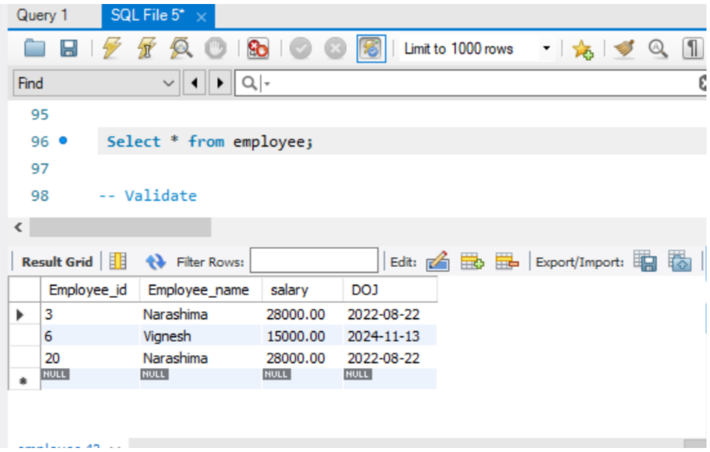
```
count(*)
2
```

2. Create a trigger that display that count of the employee who salary got updated (After Update);

```
CREATE TABLE employee_table(
Employee_id int,
Employee_name varchar (50),
salary decimal (10, 2),
DOJ date
);
```

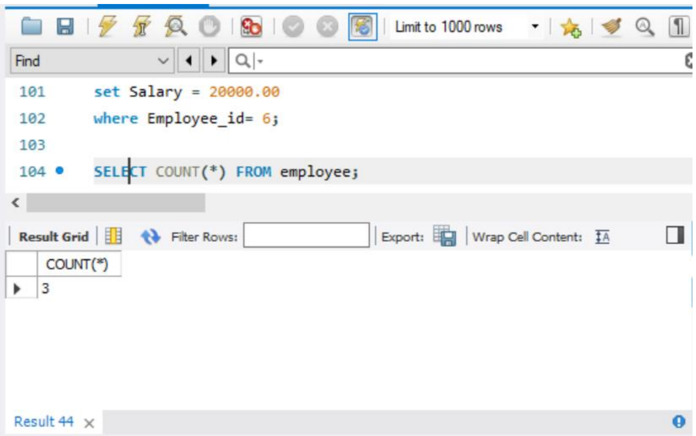
```
CREATE TABLE employee(
Employee_id int,
Employee_name varchar (50),
salary decimal (10, 2),
DOJ date
);

insert into employee_table value (1,'Gowtham', 35000.00, '2021-11-21'),
(2,'saravana', 30000.00, '2022-01-22'),
(3,'Narashima', 28000.00, '2022-08-22'),
(4,'Arun', 25000.00, '2023-02-18'),
(5,'Venkatesh', 20000.00, '2023-08-26'),
(6,'Vignesh',15000.00, '2024-11-13');

Select * from employee_table;


DELIMITER $$
CREATE TRIGGER Employee_Trigger
AFTER UPDATE ON employee_table
FOR EACH ROW
BEGIN
INSERT INTO employee (Employee_id, Employee_name, salary, DOJ)
   VALUES (OLD.Employee_id, OLD.Employee_name, NEW.salary, OLD.DOJ);
END $$
DELIMITER;

-- Validate
update employee_table
set Salary = 20000.00
where Employee_id= 6;

select * from employee_table;

Select * from employee;

SELECT COUNT (*) FROM employee;
```

Example:



```
Select * from employee;

-- Validate
```

	Employee_id	Employee_name	salary	DOJ
▶	3	Narashima	28000.00	2022-08-22
	6	Vignesh	15000.00	2024-11-13
	20	Narashima	28000.00	2022-08-22
*	NULL	NULL	NULL	NULL



```
set Salary = 20000.00
where Employee_id= 6;

SELECT COUNT(*) FROM employee;
```

	COUNT(*)
▶	3

3. Create a view that displays the details of product from electronics where price > 10000.

CREATE TABLE product_table(

product_id int ,

product_name varchar (50),

category varchar (50),

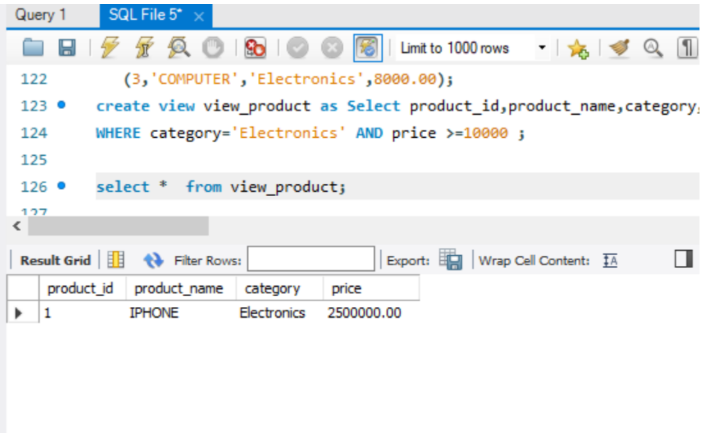
price decimal (10 , 2)

);

insert into product_table values (1,'IPHONE','Electronics',2500000.00),

```
   (2,'MOBILE','Furniture', 2500.00),
   (3,'COMPUTER','Electronics',8000.00);
create view view_product as Select product_id,product_name,category,price from product_table
WHERE category='Electronics' AND price >=10000 ;

select *  from view_product;
```

Example:



```
   (3,'COMPUTER','Electronics',8000.00);
create view view_product as Select product_id,product_name,category,
WHERE category='Electronics' AND price >=10000 ;

select *  from view_product;
```

product_id	product_name	category	price
1	IPHONE	Electronics	2500000.00