Name: Saravanakumar K   Department: Impact Training
Date: 21.11.2024   Task: PL/SQL

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)

);

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 $$
```

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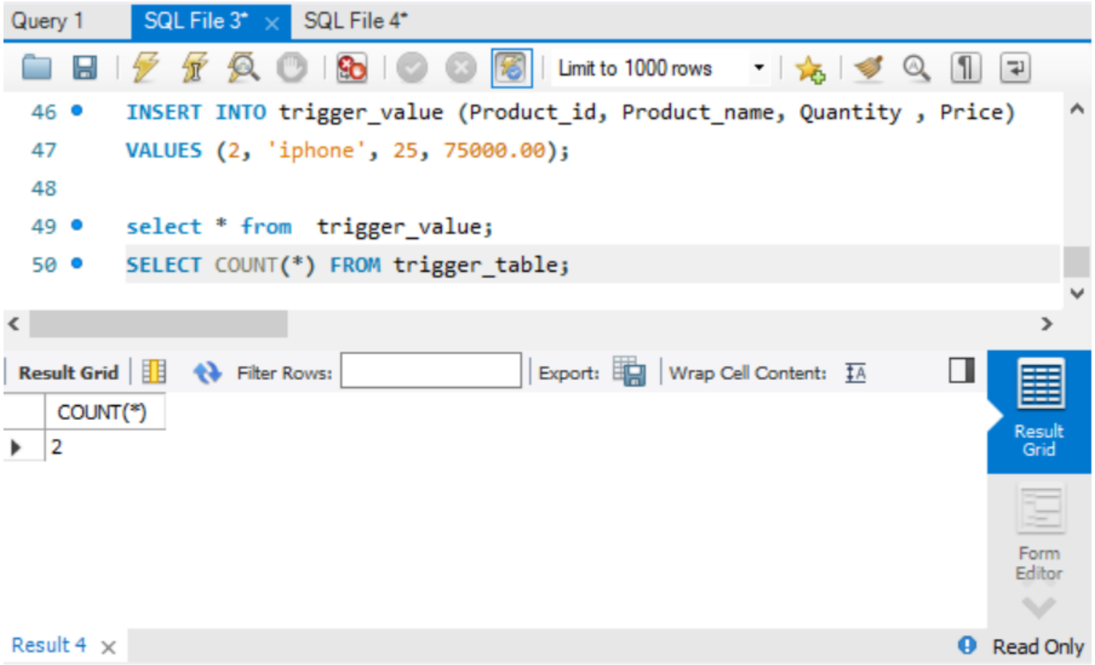
```
DELIMITER ;
-- Validate
INSERT INTO trigger_value (Product_id, Product_name, Quantity, Price)
VALUES ( 1, 'Memory Card', 50, 450.00);
select count(*) from trigger_value;
CREATE TRIGGER before_insert_value
BEFORE INSERT ON trigger_value
FOR EACH ROW
BEGIN
   INSERT INTO trigger_table (Product_id, 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;
```

OUTPUT:



```
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;
```

```
COUNT(*)
2
```

Create a trigger that display the count of employees whose salary got updated (after update):

Use MODEL;

CREATE TABLE employee_table(

Employee_id int primary key ,

Employee_name varchar (50),

salary decimal (10 , 2),

DOJ date

);

CREATE TABLE employee(

Employee_id int primary key,

Employee_name varchar (50),

salary decimal (10 , 2),

DOJ date

```
);
insert into employee_table value (1,'ALLEN', 45000.00, '2021-11-21'),
(2,'TONY', 60000.00, '2022-01-22'),
(3,'STEVE', 28000.00, '2022-08-22'),
(4,'BARREN', 25000.00, '2023-02-18'),
(5,'NATASHA', 20000.00, '2023-08-26'),
(6,'WANDA',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 ;
drop trigger Employee_Trigger;
Select * from employee;
-- Validate
select *  from employee_table;
update employee_table
set Salary = 35000.00
where Employee_id= 5;
select count(*) from employee;
```

OUTPUT:

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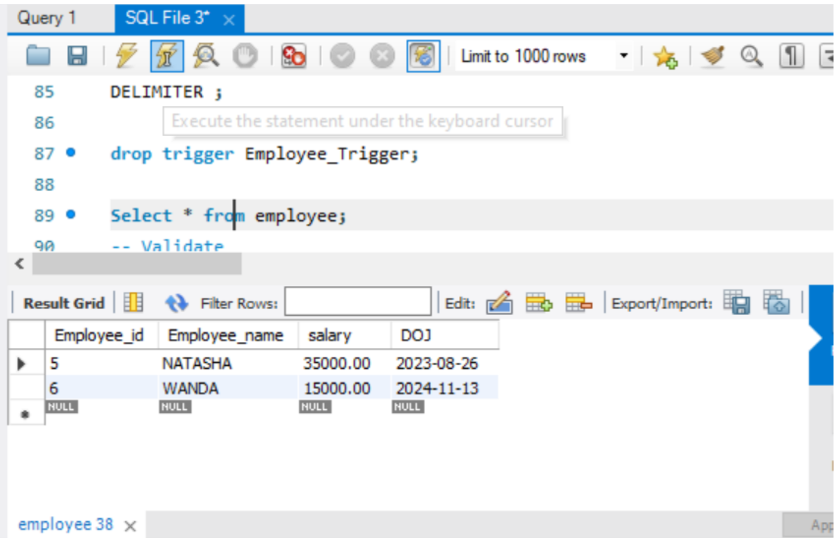
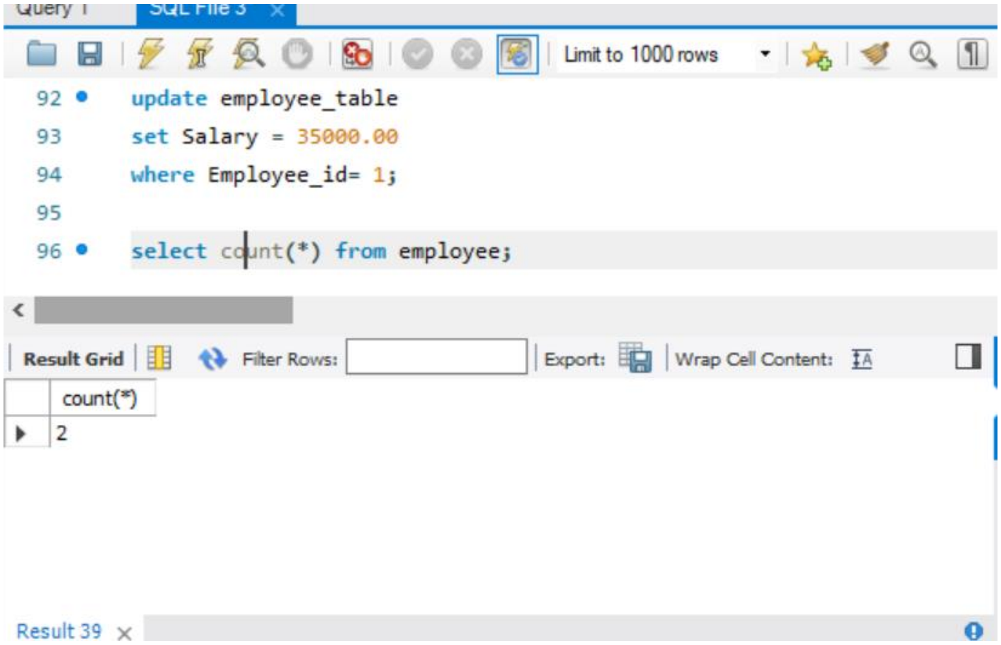


```
DELIMITER ;

drop trigger Employee_Trigger;

Select * from employee;
-- Validate
```

Employee_id	Employee_name	salary	DOJ
5	NATASHA	35000.00	2023-08-26
6	WANDA	15000.00	2024-11-13
NULL	NULL	NULL	NULL



```
update employee_table
set Salary = 35000.00
where Employee_id= 1;

select count(*) from employee;
```

count(*)
2

Create a view that displays the details of the products from electronics where the price > 40000.

CREATE TABLE Product_table(

Product_id int,

Product_name varchar(60),

category varchar(50),

Price decimal (10,2)

);

insert into product_table values (1, 'Laptop', 'Electronics', 75000.00),

(2, 'Mobile', 'Electronics', 33000.00),

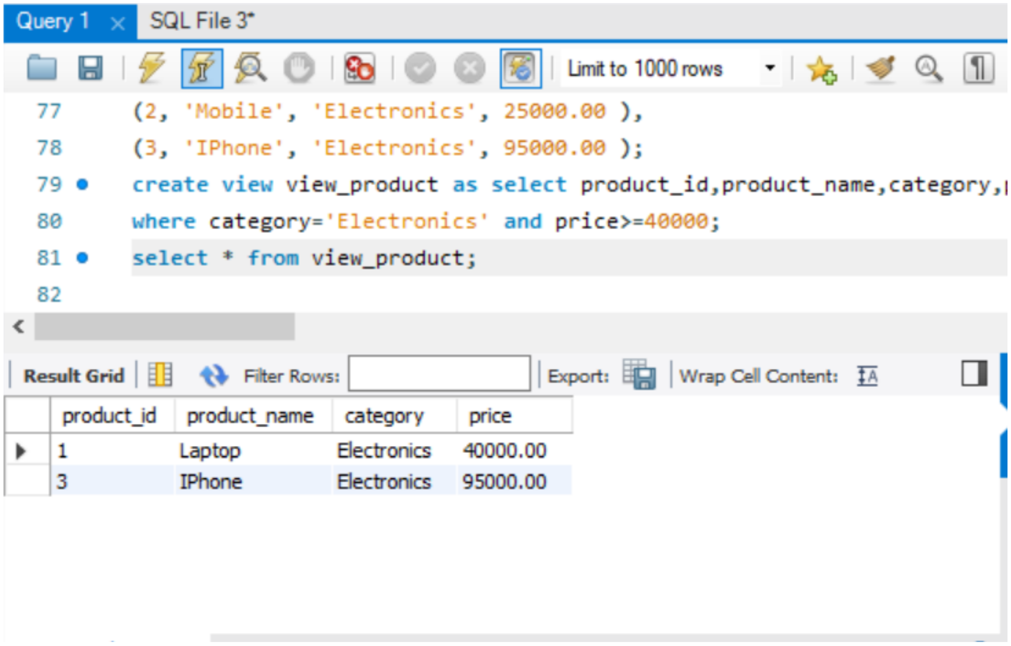
(3, 'IPhone', 'Electronics', 95000.00);

create view view_product as select product_id,product_name,category,price from product_table

where category='Electronics' and price>=40000;

select * from view_product;

OUTPUT:



```
(2, 'Mobile', 'Electronics', 25000.00 ),
(3, 'IPhone', 'Electronics', 95000.00 );
create view view_product as select product_id,product_name,category,
where category='Electronics' and price>=40000;
select * from view_product;
```

product_id	product_name	category	price
1	Laptop	Electronics	40000.00
3	IPhone	Electronics	95000.00