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Testing

PL/SQL(Triggers& Views)

Create a trigger that display the count of rows after inserting a new record to a product/Employee Before /After Insert

create database PlSQL;

use PlSQL;

CREATE TABLE audit_log_values(

Name VARCHAR(100),

Quantity int,

price decimal(10,2)

);

CREATE TABLE Product_dims (

    ProductID INT PRIMARY KEY,

    Name VARCHAR(100),

    Quantity INT,

    price DECIMAL(10, 2)

);

```
select count(*) from audit_log_values;



DELIMITER $$

CREATE TRIGGER insert_trigs_value

AFTER INSERT ON Product_dims

FOR EACH ROW

BEGIN

   INSERT INTO audit_log_values (Name,

Quantity ,

price )

   VALUES (new.Name, new.Quantity, new.price);


END $$

DELIMITER ;



DELIMITER $$



-- Validate

INSERT INTO Product_dims (ProductID, Name, Quantity, price)

VALUES (112, 'mango', 2, 2.00);


-- BEFORE TRIGGER
```

```sql
CREATE TRIGGER insert_trigs_value_before

BEFORE INSERT ON Product_dims

FOR EACH ROW

BEGIN

    INSERT INTO audit_log_values (Name,

Quantity ,

price )

    VALUES (new.Name, new.Quantity, new.price);


END $$

DELIMITER ;



select * from Product_dims;

select * from audit_log_values;


CREATE TABLE Product_dims_before (

    ProductID INT PRIMARY KEY,

    Name VARCHAR(100),

    Quantity INT,

    price DECIMAL(10, 2)

);



INSERT INTO Product_dims_before (ProductID, Name, Quantity, price)
```

```
VALUES (100, 'Cake', 2, 2.00);


select * from audit_log_values ;

select * from  Product_dims_before;

SELECT

    COUNT(*)

FROM

    audit_log_values;
```

Create a trigger that display the count of Employee Whose Salary got Updated After Update

```
CREATE TABLE employee(

Emp_id int ,

Emp_name varchar (50),

salary decimal (10 , 2)

);

insert into employee values (1,'subramani',2500000.00),(2,'Hari', 2500000.00),
(3,'sethu',8000.00);



 DELIMITER $$

CREATE TRIGGER Employee_Trigger

AFTER UPDATE ON  employee
```

```sql
FOR EACH ROW

BEGIN

    INSERT INTO audit_log (Emp_id,

Emp_name ,

salary )

    VALUES (OLD.Emp_id, OLD.Emp_name, NEW.salary);

END $$

DELIMITER ;


-- Validate

select *  from employee;


SET SQL_SAFE_UPDATES = 0;

update employee

set salary = 1500.00

where Emp_id= 2;


DELETE FROM  audit_log

where Emp_id= 2;


select * from audit_log;

CREATE TABLE audit_log(

Emp_id INT,

Emp_name VARCHAR(50),

salary DECIMAL(10,2)

);
```

Create a view that display the details of employee from chennai location and TN Team

CREATE TABLE employee_dim(

  Emp_id int ,

  Emp_name varchar (50),

  location varchar (50),

  Department varchar (50),

  salary decimal (10 , 2)

  );

  insert into employee_dim values (1,'subramani','chennai','BI Solution',2500000.00),(2,'Hari','chennai','TL Team', 2500000.00), (3,'sethu','chennai','TL Team',8000.00);

Select * from employee_dim;

Create a view that display the details of Product from 'Electronics' and price >1000

create view view_employees as Select Emp_id,Emp_name,Department,location from employee_dim

WHERE Department='TL Team' AND location= 'chennai' ;

SELECT

  *

FROM

  view_employeeS;

  from view_product