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PL/SQL Task2

Triggers and Cursor

use temp\_DB;

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 values(1,'ES',2),(2,'DNA',1);

insert into emp values (101,'Subramani',1),(102,'Hari',2),(103,'sankar',1);

select \* from emp;

select \* from department;

-- When inserting the employee details in emp table automatically trigger trigg the values

-- and update the values in department table emp\_count columns

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(110 , 'sedhu', 2,33000);

-- create a trigger that display the count of rows after inserting a new record to

-- a employee table before\after insert

create table log\_details(

id int auto\_increment primary key,

count\_rows int,

times datetime default current\_timestamp

)

delimiter //

create trigger get\_rowcount

after insert on emp

for each row

begin

declare row\_counts int;

select count(\*) into row\_counts from emp;

insert into log\_details (count\_rows) values (row\_counts);

end //

insert into emp values (109, 'balaji',2 , 34000);

select count\_rows from log\_details ;

select \* from emp

-- create a trigger that display the count of employees whose salary got updated after update?

alter table emp add column emp\_salary numeric;

select \* from emp;

update emp set emp\_salary = '10000' where dep\_id = 1;

update emp set emp\_salary = '20000' where dep\_id = 2;

create table update\_Demo(

id int auto\_increment primary key,

counts numeric,

times datetime

);

delimiter //

create trigger get\_salaryDemo7

after update on emp

for each row

begin

declare update\_count int;

if new.emp\_salary != old.emp\_salary then

set update\_count = (

select count(emp\_id) from emp where emp\_salary != old.emp\_salary);

insert into update\_Demo (counts,times) values (update\_count,now());

end if;

end //

update emp set emp\_salary = '9800' where emp\_id = 101;

select \* from update\_Demo;

select count(times) as update\_counts from update\_Demo group by times ;

select \* from emp;

-- create a view that displays the details of employee from chennai and tn team

alter table emp add column location varchar(50);

insert into emp value (115,'arun',2,35000,'Chennai'),(116,'revi',1,55000,'salem'),(117,'arun 2.o ',2,15000,'Chennai')

create view employee\_view as

select \* from emp e

join department d on e.dep\_id = d.department\_id

where e.location = 'Chennai' and d.dept\_name = 'DNA';

select \* from employee\_view;

-- create a view that displays the details of products electronics and price <1000

select \* from product;

create view product\_views as

select \* from product where qty < 20 and price <= 100

select \* from product\_views;