**EXP 14 PL/SQL Triggers**

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**Questions**

1. Create a trigger such that whenever a tuple is inserted into student table increment value of c ,corresponding to cname by 1

create table num\_rows(c integer, name varchar(20));

create table students (id integer, name varchar(20));

create or replace trigger students\_increment\_trigger

after insert

on students

FOR EACH ROW

declare

test\_name varchar(20):= NULL;

begin

SELECT name INTO test\_name FROM num\_rows WHERE name = :NEW.name;

UPDATE num\_rows set c = c + 1 WHERE name = :NEW.name;

EXCEPTION

WHEN no\_data\_found THEN

INSERT INTO num\_rows VALUES(1,:NEW.name);

end;

select \* from num\_rows;

**OUPUT:**

no data found

insert into students values (1, 'MAK');

insert into students values (1, 'MAK');

select \* from num\_rows;

**OUPUT:**

|  |  |
| --- | --- |
| **C** | **NAME** |
| 2 | MAK |

1. Create a trigger such that before rows are deleted from student table insert it into a new table.

create table new\_students (id integer, name varchar(20));

create or replace trigger students\_backup

before delete

on students

FOR EACH ROW

begin

INSERT INTO new\_students VALUES(:OLD.id,:OLD.name);

end;

SELECT \* FROM new\_students;

**OUTPUT**

no data found

insert into students values (3, 'MAK');

delete from students where id = 3;

SELECT \* FROM new\_students;

**OUTPUT**

|  |  |
| --- | --- |
| **ID** | **NAME** |
| 3 | MAK |