**Triggers**

**Trigger 1:**

**step 1: create the following table**

create table student1(rollno number(3) primary key,

sname varchar2(15),

marks1 number(3),

marks2 number(3),

total number(4));

**step 2:**

**create the trigger using the following code:**

create or replace trigger auto\_cal before insert on student1 for each row

declare

begin

:new.total := :new.marks1 + :new.marks2;

end;

**step3:**

execute the following insert statement

insert into student1 values(1,'Raamesh',44,67,**null**);

execute two or three similar insert statements

observe the the table student1 using "select \* from student1" to see the changes done by the trigger

**Trigger 2:**

**step 1:**

**create the following table using**

create table prog as select pname, salary frro programmer;

**step 2:**

**create the following table using**

create table update\_prog

(pname varchar2(20),

old\_salary number(7,2),

new\_salary number(7,2),

dt date,

time varchar2(10));

**step 3:**

**create the trigger using the following code:**

create or replace trigger update\_status after update on prog for each row

begin

insert into update\_prog values(:old.pname, :old.salary, :new.salary, sysdate, substr(current\_timestamp,11,8));

end;

**step 4:**

execute the following sql statement

update prog set salary=salary+200 where pname='Anand';

execute similar statements and observe the tables both prog and update\_prog using

* select \* from prog;
* select \* from update\_prog;

inorder to see the changes done by the trigger

**Trigger 3:**

**step 1:**

**create the following table**

create table student

(roll number(3) primary key,

sname varchar2(15),

age number(3));

**step 2:**

**create the trigger using the following code:**

create or replace trigger age before insert on student

declare

begin

update student set age=age+1;

end;

**step 3:**

execute the following statement

insert into student values(1,'Siva',0);

execute similar statements by inserting few tuples into the table student

observe the table student using "select \* from student"