**EXPERIMENT NO : 14**

**1) FUNCTION**

set serveroutput on;

show serveroutput;

create or replace function factorial(n int)

return int as fact INT;

begin

fact:=1;

for i IN 1..n loop

fact:=fact \* i;

end loop;

return fact;

end;

/

FUNCTION FACTORIAL compiled

DECLARE

c integer;

result integer;

begin

c:=&c;

result:=factorial(c);

dbms\_output.put\_line('The factorial is '||result);

end;

/

anonymous block completed

The factorial is 720

**2) PROCEDURE**

create table student\_details(roll int primary key,marks int,phone int);

insert into student\_details values(10,48,9546578565);

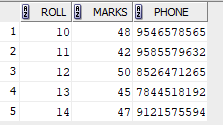
insert into student\_details values(11,42,9585579632);

insert into student\_details values(12,50,8526471265);

insert into student\_details values(13,45,7844518192);

insert into student\_details values(14,47,9121575594);

select \* from student\_details;



create or replace procedure pro1 as

begin

update student\_details set marks=marks+(marks\*0.05);

end;

/

PROCEDURE PRO1 compiled

begin

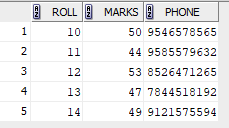
pro1;

end;

/

anonymous block completed

select \* from student\_details;



3)

Create table customer\_details1(cust\_id int unique,cust\_name varchar(20), address varchar(30));

create or replace trigger Trigger2

after insert on customer\_details1

for each row

begin

dbms\_output.put\_line('The row is inserted');

end;

/

TRIGGER TRIGGER2 compiled

insert into customer\_details1 values(1,'John','123 Street');

1 rows inserted.

The row is inserted

Create table emp\_details1 (empid int unique,empname varchar(20),salary number(7));

create or replace trigger Trigger3

after insert or update on emp\_details1

for each row

when(new.salary>20000)

begin

dbms\_output.put\_line('Salary is Greater Than 20,000');

end;

/

table EMP\_DETAILS1 created.

TRIGGER TRIGGER3 compiled

insert into emp\_details1 values(1,'Doe',19000);

1 rows inserted.

insert into emp\_details1 values(2,'Steve',21000);

1 rows inserted.

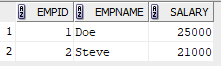
Salary is Greater Than 20,000

update emp\_details1 set salary=25000 where empid='1';

1 rows updated.

Salary is Greater Than 20,000

select \* from emp\_details1;



Create table cust\_count1(count\_row int);

insert into cust\_count1 values(0);

create or replace trigger Trigger4

before insert or delete on customer\_details1

for each row

begin

if deleting then

update cust\_count1

set count\_row=count\_row-1;

else

update cust\_count1

set count\_row=count\_row+1;

end if;

end;

/

TRIGGER TRIGGER4 compiled

insert into customer\_details1 values(5,'George','1b2 ayz');

insert into customer\_details1 values(6,'Steve','california street');

select \* from cust\_count1;



delete from customer\_details1 where cust\_id=6;



create table deleted(empid int unique,empname varchar(20),salary number(7));

create table updated(empid int unique,empname varchar(20),salary number(7));

create or replace trigger Trigger6

after delete or update on emp\_details1

for each row

begin

if deleting then

insert into deleted values(:old.empid,:old.empname,:old.salary);

else

insert into updated values(:new.empid,:new.empname,:new.salary);

end if;

end;

/

TRIGGER TRIGGER6 compiled

delete from emp\_details1 where empid=1;

1 rows deleted.

select \* from deleted;



update emp\_details1 set empname='Ben' where empid=2;

1 rows updated.

Salary is Greater Than 20,000

select \* from updated;

