**PL/SQL Cursor , Triggor**

1.

SQL> create table stud\_file(sid number, name varchar(20), m1 number, m2 number);

Table created.

SQL> insert into stud\_file values(1,'anu',40,45);

1 row created.

SQL> insert into stud\_file values(2,'binu',48,45);

1 row created.

SQL> insert into stud\_file values(3,'cini',30,45);

1 row created.

SQL> insert into stud\_file values(4,'dini',30,25);

1 row created.

1.SQL> declare

2 id constant number :=1;

3 sname studs\_file.name%type;

4 mark1 studs\_file.m1%type;

5 mark2 studs\_file.m2%type;

6 total number:=0;

7 begin

8 select name,m1,m2 into sname,mark1,mark2 from studs\_file where sid=id;

9 total:=mark1+mark2;

10 dbms\_output.put\_line('Total marks of student '||sname||' with id '||id||' is:

'||total);

11 end;

12 /

Output

Total marks of student anu with id 1 is: 85

PL/SQL procedure successfully completed.

**2.**

SQL> declare

2 cursor stud\_cursor is select \* from studs\_file;

3 stud\_rec stud\_cursor%rowtype;

4 total number:=0;

5 begin

6 open stud\_cursor;

7 loop

8 fetch stud\_cursor into stud\_rec;

9 exit when stud\_cursor%notfound ;

10 total:=stud\_rec.m1+stud\_rec.m2;

11 dbms\_output.put\_line('Total marks of student '||stud\_rec.name||' is: '||total);

12 end loop;

13 end;

14 /

Output

Total marks of student anu is: 85

Total marks of student binu is: 93

Total marks of student cini is: 75

Total marks of student dini is: 55

PL/SQL procedure successfully completed.

SQL> create table stud\_mark(sid number,total number);

Table created.

3.

SQL> create or replace trigger stud\_trig after insert on studs\_file

2 for each row

3 declare

4 tot number:=0;

5 begin

6 tot:=:new.m1+:new.m2;

7 insert into stud\_mark values(:new.sid,tot);

8 DBMS\_OUTPUT.PUT\_LINE('AFTER INSERT trigger activated:');

9

10 end;

11 /

Trigger created.

SQL> insert into studs\_file values(5,'rani',40,45);

AFTER INSERT trigger activated:

1 row created.

SQL> select \* from stud\_mark;

Output

SID TOTAL

---------- ----------

5 85