**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.

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

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         5         85