**Views**

Create a table

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

SSN NOT NULL VARCHAR2(20)

FNAME VARCHAR2(20)

LNAME VARCHAR2(20)

ADDRESS VARCHAR2(20)

SEX CHAR(1)

SALARY NUMBER(38)

ans:

create table employee(ssn varchar(20),fname varchar(20),lname varchar(20),address varchar(20),sex char(1),salary number(38));

insert into employee(ssn,fname,lname,address,sex,salary) values(1,'martin','abraham','oottukulathil','m',1000);

1 row created.

SQL> insert into employee(ssn,fname,lname,address,sex,salary) values(2,'james','joseph','thekedath','m',1010);

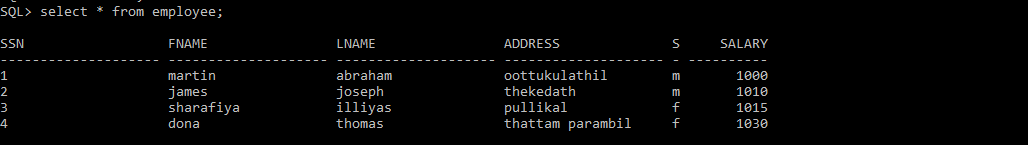
1 row created.

SQL> insert into employee(ssn,fname,lname,address,sex,salary) values(3,'sharafiya','illiyas','pullikal','f',1015);

1 row created.

SQL> insert into employee(ssn,fname,lname,address,sex,salary) values(4,'dona','thomas','thattam parambil','f',1030);

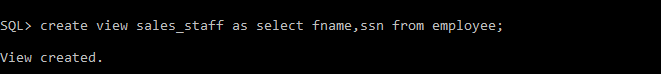
1 row created.



1. Creating Views (With and Without Check Option)

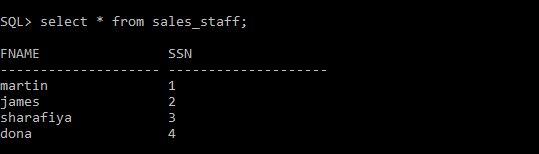
create view sales\_staff as select fname,ssn from employee;

View created.



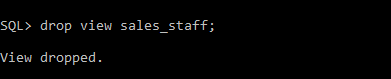
**2**. Selecting from a View

SQL> select \* from sales\_staff;



3. Drop View

SQL>DROP VIEW sales\_staff;



**Named PL SQL Procedure and Functions**

**1).**

**CREATE OR REPLACE PROCEDURE welcome\_msg (p\_name IN VARCHAR2)**

**IS**

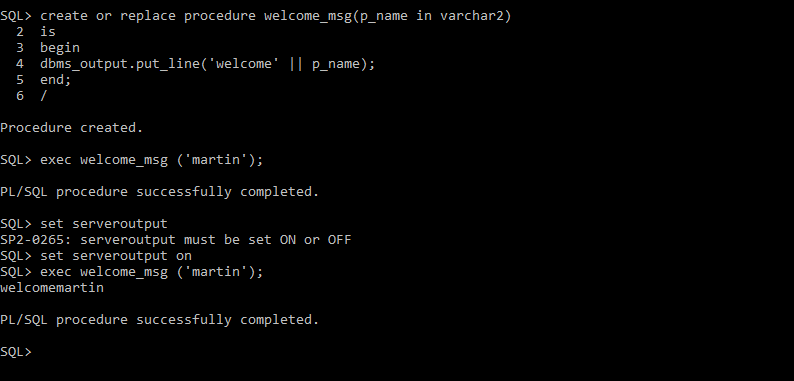
**BEGIN**

**dbms\_output.put\_line ('Welcome '|| p\_name);**

**END;**

**/**

**To execute procedure 'welocme\_msg' -> EXEC welcome\_msg ('Guru99');**



**2)**

**CREATE OR REPLACE FUNCTION welcome\_msg\_func ( p\_name IN VARCHAR2) RETURN VARCHAR2**

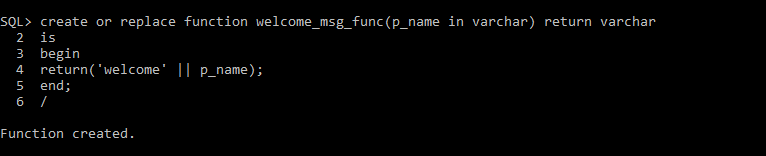
**IS**

**BEGIN**

**RETURN ('Welcome '|| p\_name);**

**END;**

**/**



**we can call function in 2 ways :**

**i)**

**DECLARE**

**lv\_msg VARCHAR2(250);**

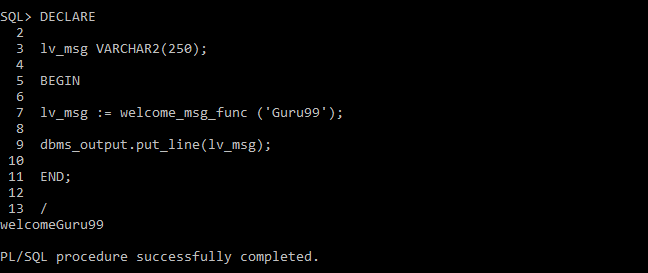
**BEGIN**

**lv\_msg := welcome\_msg\_func ('Guru99');**

**dbms\_output.put\_line(lv\_msg);**

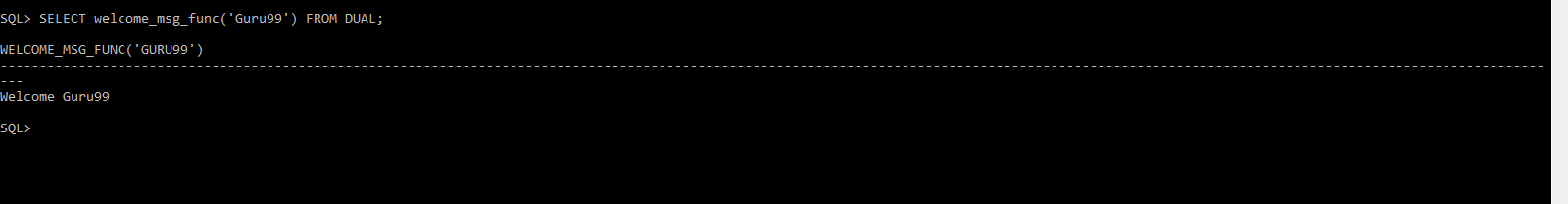
**END;**

**/**



**ii)**

**SELECT welcome\_msg\_func('Guru99') FROM DUAL;**



**3.**

**CREATE OR REPLACE FUNCTION welcome\_msg\_func ( p\_name IN VARCHAR2,sal out number) RETURN VARCHAR2**

**IS**

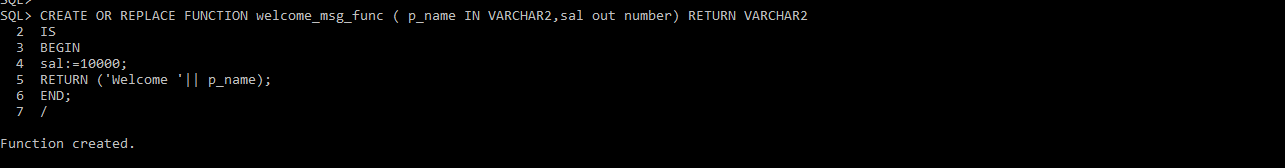
**BEGIN**

**sal:=10000;**

**RETURN ('Welcome '|| p\_name);**

**END;**

**/**



4.

**CREATE OR REPLACE PROCEDURE welcome\_msg (p\_name IN VARCHAR2, salary out number)**

**IS**

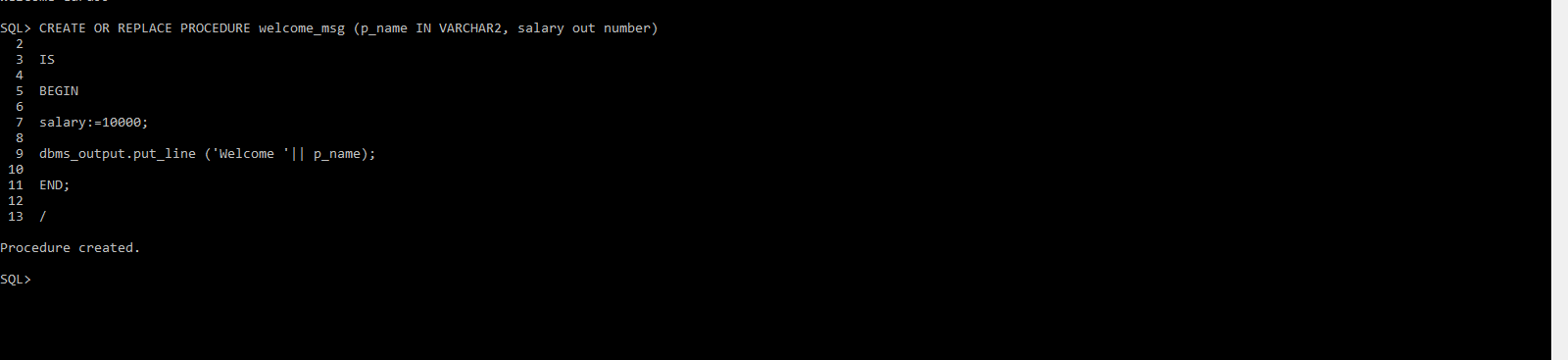
**BEGIN**

**salary:=10000;**

**dbms\_output.put\_line ('Welcome '|| p\_name);**

**END;**

**/**

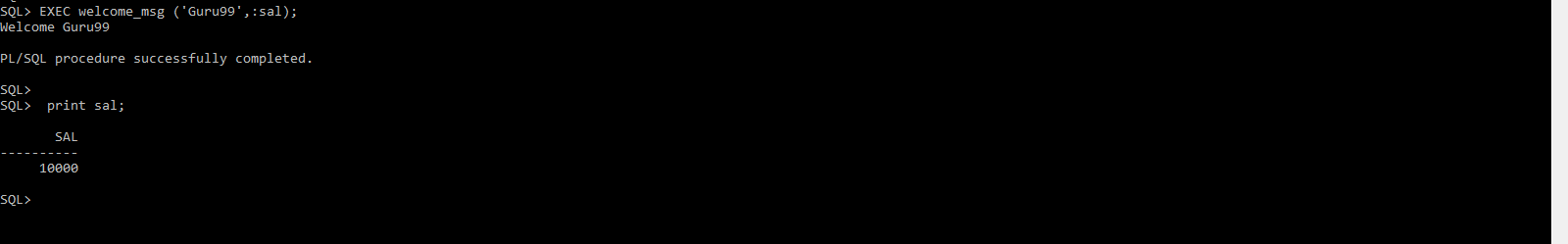


**To execute procedure 'welocme\_msg' -> first declare a variable sal**

**var sal number;**

**EXEC welcome\_msg ('Guru99',:sal);**

**print sal;**



**PL/SQL Cursor , Triggor**

**1)**

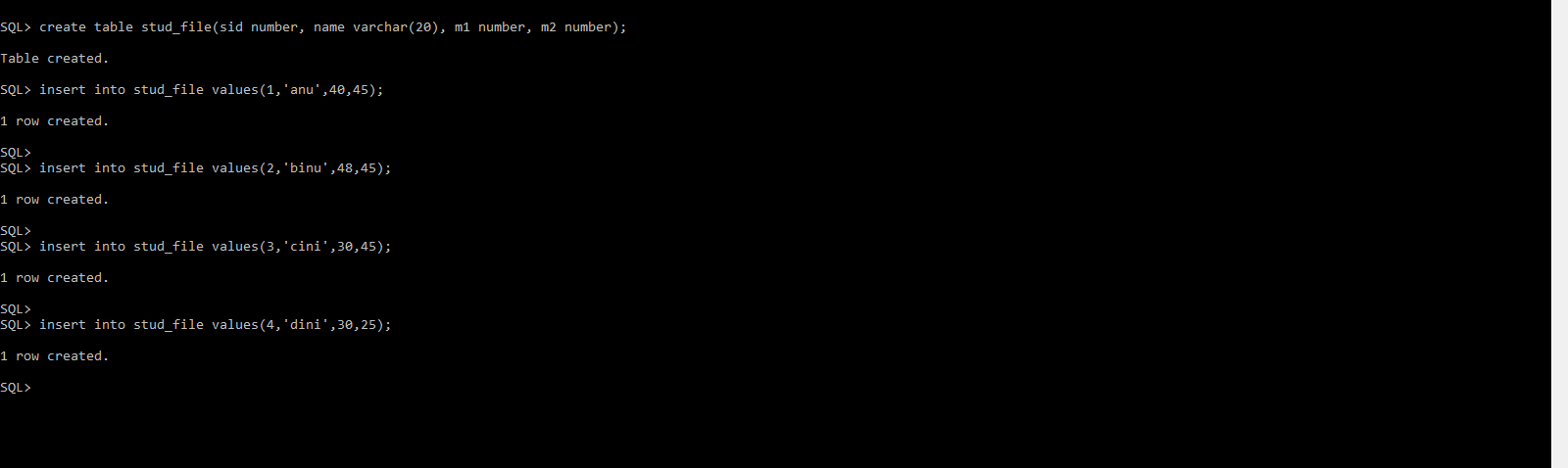
create table stud\_file(sid number, name varchar(20), m1 number, m2 number);

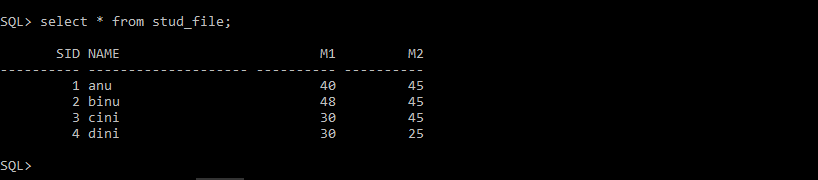
insert into stud\_file values(1,'anu',40,45);

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

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

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





**2)**

declare

id constant number :=1;

sname stud\_file.name%type;

mark1 stud\_file.m1%type;

mark2 stud\_file.m2%type;

total number:=0;

begin

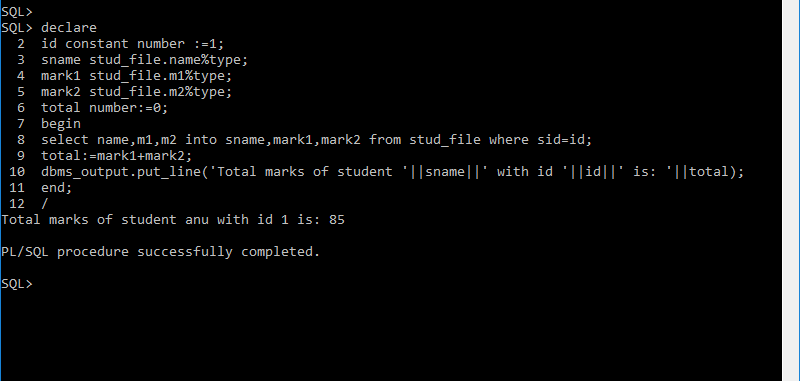
select name,m1,m2 into sname,mark1,mark2 from stud\_file where sid=id;

total:=mark1+mark2;

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

end;

/



**3)**

declare

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

stud\_rec stud\_cursor%rowtype;

total number:=0;

begin

open stud\_cursor;

loop

fetch stud\_cursor into stud\_rec;

exit when stud\_cursor%notfound or stud\_cursor%rowcount>4;

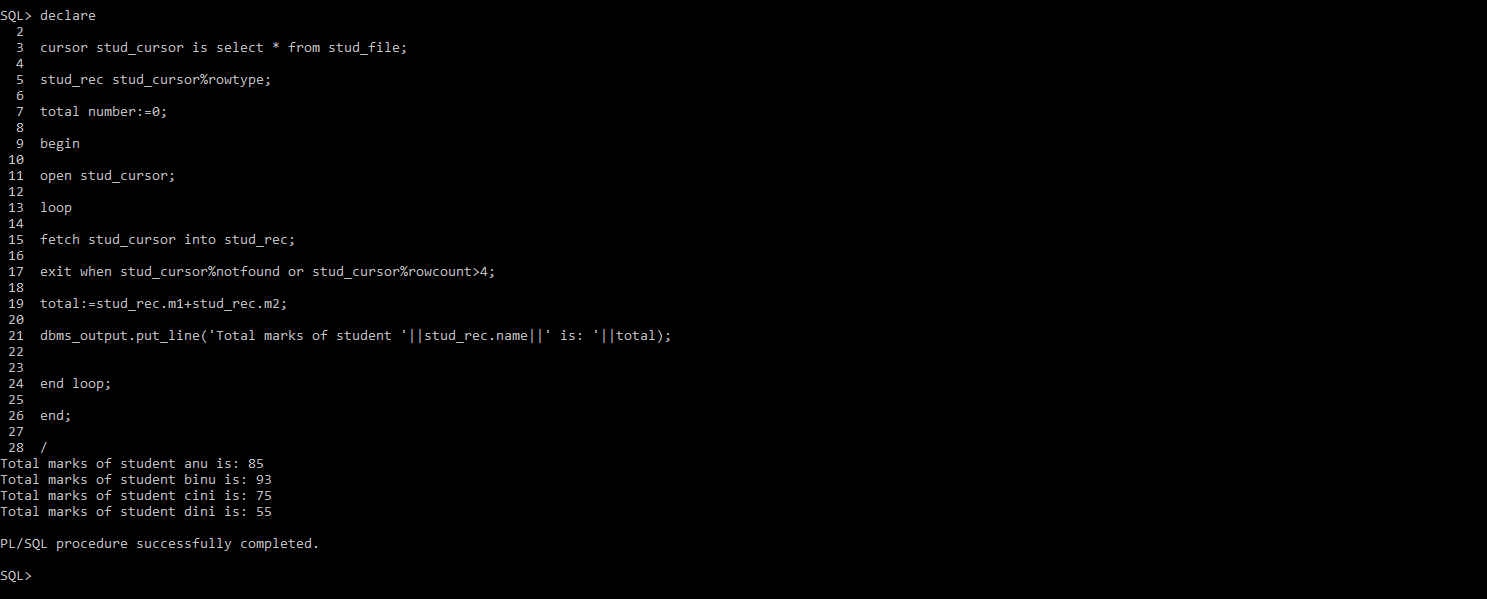
total:=stud\_rec.m1+stud\_rec.m2;

dbms\_output.put\_line('Total marks of student '||[stud\_rec.name](http://stud_rec.name/)||' is: '||total);

end loop;

end;

/



**4)**

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

create  or replace trigger stud\_trig after insert on stud\_file

for each row

declare

tot number:=0;

begin

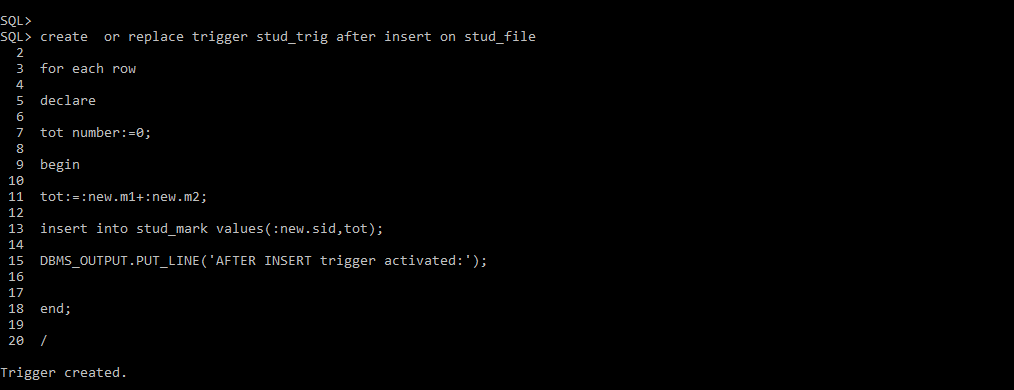
tot:=:new.m1+:new.m2;

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

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

end;

/



insert into stud\_file values(5,'rani',40,45);

select \* from stud\_mark;

