Begin

dbms\_output.put\_line('welcome');

END;

/

BEGIN

dbms\_output.put\_line('Welcome'||' to PL/SQL session');

END;

/

declare

num NUMBER;

BEGIN

num:=25;

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

END;

/

DECLARE

num NUMBER:=20;

BEGIN

num:=25;

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

END;

/

DECLARE

num NUMBER:=20;

doj DATE DEFAULT SYSDATE;

BEGIN

--num:=25;

DBMS\_OUTPUT.PUT\_LINE('Result is'||num);

DBMS\_OUTPUT.PUT\_LINE('Result is'||doj);

END;

/

DECLARE

vcName VARCHAR2(20) NOT NULL:='Test';

id NUMBER;

BEGIN

DBMS\_OUTPUT.PUT\_LINE(vcName||id);

END;

/

DECLARE

vcName VARCHAR2(20) NOT NULL DEFAULT 'Example';

BEGIN

vcName:='sample';

DBMS\_OUTPUT.PUT\_LINE(vcName);

END;

/

DECLARE

vcName VARCHAR2(20) NOT NULL DEFAULT 'Example';

nPF CONSTANT NUMBER:=23;

BEGIN

vcName:='sample';

DBMS\_OUTPUT.PUT\_LINE(vcName);

END;

/

/\*DECLARE

vcName VARCHAR2(20);

vcLoc VARCHAR2(20);

nDeptno NUMBER;

BEGIN

vcName:='&name';

vcLoc:='&loc';

nDeptno:=93;

INSERT INTO ndeptno VALUES(94,vcName,vcLoc);

END;

/

\*/

create table dummy1(id number(12) primary key, name varchar(25));

create or replace procedure sample(s\_id IN dummy.ID%TYPE, s\_name IN dummy.NAME%TYPE)

IS

BEGIN

insert into dummy values(s\_id,s\_name);

dbms\_output.put\_line('procedure created');

END;

/

create or replace trigger not\_drop\_table

before drop on DATABASE

BEGIN

RAISE\_APPLICATION\_ERROR(-200,'CANNOT DROP');

END;

/

desc dummy;

DECLARE

vcName VARCHAR2(20);

vcLoc VARCHAR2(20);

nDeptno NUMBER;

BEGIN

vcName:='&name';

vcLoc:='&loc';

nDeptno:=93;

INSERT INTO dept VALUES(94,vcName,vcLoc);

END;

/

DECLARE

vcName VARCHAR2(20);

vcLoc VARCHAR2(20);

BEGIN

SELECT dname,loc INTO vcName,vcLoc FROM dept WHERE deptno=10;

DBMS\_OUTPUT.PUT\_LINE('Department Name: '||vcName);

DBMS\_OUTPUT.PUT\_LINE('Department Location: '||vcLoc);

END;

/

DECLARE

vcName VARCHAR2(20);

vcLoc VARCHAR2(20);

nDeptno NUMBER;

BEGIN

SELECT \* INTO nDeptno,vcName,vcLoc FROM dept WHERE deptno=10;

DBMS\_OUTPUT.PUT\_LINE('Department No: '||nDeptno);

DBMS\_OUTPUT.PUT\_LINE('Department Name: '||vcName);

DBMS\_OUTPUT.PUT\_LINE('Department Location: '||vcLoc);

END;

/

DECLARE

vcName dept.dname%TYPE;

vcLoc dept.loc%TYPE;

BEGIN

SELECT dname,loc INTO vcName,vcLoc FROM dept WHERE deptno=10;

DBMS\_OUTPUT.PUT\_LINE('Department Name: '||vcName);

DBMS\_OUTPUT.PUT\_LINE('Department Location: '||vcLoc);

END;

/

DECLARE

deptDetail dept%ROWTYPE;

BEGIN

SELECT \* INTO deptDetail FROM dept WHERE deptno=10;

DBMS\_OUTPUT.PUT\_LINE(deptDetail.deptno);

DBMS\_OUTPUT.PUT\_LINE(deptDetail.dname);

DBMS\_OUTPUT.PUT\_LINE(deptDetail.loc);

END;

/

DECLARE

SUBTYPE vc IS VARCHAR2;

vcName vc(20);

vcLoc vc(20);

BEGIN

SELECT dname,loc INTO vcName,vcLoc FROM dept WHERE deptno=10;

DBMS\_OUTPUT.PUT\_LINE('Department Name: '||vcName);

DBMS\_OUTPUT.PUT\_LINE('Department Location: '||vcLoc);

END;

/

DECLARE

SUBTYPE deptD IS dept%ROWTYPE;

deptDetail deptD;

BEGIN

SELECT \* INTO deptDetail FROM dept WHERE deptno=10;

DBMS\_OUTPUT.PUT\_LINE(deptDetail.deptno);

DBMS\_OUTPUT.PUT\_LINE(deptDetail.dname);

DBMS\_OUTPUT.PUT\_LINE(deptDetail.loc);

END;

/

DECLARE

vcEname employee.ename%TYPE;

vcDname dept.dname%TYPE;

BEGIN

SELECT ename,dname INTO vcEname,vcDname FROM employee e,dept d

WHERE d.deptno=e.deptno and empno=7698;

DBMS\_OUTPUT.PUT\_LINE(vcEname);

DBMS\_OUTPUT.PUT\_LINE(vcDname);

END;

/

DECLARE

TYPE details IS RECORD(

vcEname employee.ename%TYPE,

vcDname dept.dname%TYPE);

rec details;

BEGIN

SELECT ename,dname INTO rec FROM employee e,dept d

WHERE d.deptno=e.deptno and empno=7698;

DBMS\_OUTPUT.PUT\_LINE(rec.vcEname);

DBMS\_OUTPUT.PUT\_LINE(rec.vcDname);

END;

/

DECLARE

nSal NUMBER;

nMinSal NUMBER;

BEGIN

SELECT sal INTO nSal FROM employee WHERE empno=7698;

SELECT min(sal) INTO nMinSal FROM employee;

IF nSal<nMinSal

THEN

UPDATE employee SET sal=sal\*.2 WHERE empno=7698;

END IF;

END;

/

BEGIN

LOOP

DBMS\_OUTPUT.PUT\_LINE('test');

END LOOP;

END;

/

BEGIN

LOOP

DBMS\_OUTPUT.PUT\_LINE('test');

EXIT;

END LOOP;

END;

/

DECLARE

nNum NUMBER:=1;

BEGIN

LOOP

DBMS\_OUTPUT.PUT\_LINE('test');

nNum:=nNum+1;

EXIT WHEN nNum=5;

END LOOP;

END;

/

DECLARE

nNum NUMBER:=1;

BEGIN

LOOP

EXIT WHEN nNum=5;

DBMS\_OUTPUT.PUT\_LINE('test');

nNum:=nNum+1;

END LOOP;

END;

/

DECLARE

nNum NUMBER:=1;

BEGIN

LOOP

EXIT WHEN nNum<5;

DBMS\_OUTPUT.PUT\_LINE('test');

nNum:=nNum+1;

END LOOP;

END;

/

DECLARE

nNum NUMBER:=1;

BEGIN

LOOP

EXIT WHEN nNum>5;

DBMS\_OUTPUT.PUT\_LINE('test');

nNum:=nNum+1;

END LOOP;

END;

/

DECLARE

nNum NUMBER:=1;

BEGIN

LOOP

DBMS\_OUTPUT.PUT\_LINE('test');

nNum:=nNum+1;

EXIT WHEN nNum>5;

END LOOP;

END;

/

DECLARE

nNum NUMBER:=1;

BEGIN

WHILE nNUM<5

LOOP

DBMS\_OUTPUT.PUT\_LINE('test');

nNum:=nNum+1;

END LOOP;

END;

/

BEGIN

FOR monisha IN 1..10

LOOP

DBMS\_OUTPUT.PUT\_LINE(monisha);

END LOOP;

END;

/

BEGIN

FOR INDEX1 IN 1..10

LOOP

DBMS\_OUTPUT.PUT\_LINE('test');

END LOOP;

END;

/

BEGIN

FOR index1 IN REVERSE 5..1

LOOP

DBMS\_OUTPUT.PUT\_LINE('test'||index1);

END LOOP;

END;

/

BEGIN

FOR index1 IN REVERSE 5..1

LOOP

DBMS\_OUTPUT.PUT\_LINE('test');

END LOOP;

END;

/

BEGIN

FOR index1 IN REVERSE 1..5

LOOP

DBMS\_OUTPUT.PUT\_LINE('test');

END LOOP;

END;

/

BEGIN

FOR index1 IN REVERSE 1..5

LOOP

DBMS\_OUTPUT.PUT\_LINE('test'||index1);

END LOOP;

END;

/

DECLARE

nOuter NUMBER:=10;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Outer Block');

DBMS\_OUTPUT.PUT\_LINE(nOuter);

DECLARE

nInner NUMBER:=10;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Inner Block');

DBMS\_OUTPUT.PUT\_LINE(nInner);

END;

END;

/

Outer Block

10

Inner Block

10

DECLARE

nNum NUMBER:=10;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Outer Block');

DBMS\_OUTPUT.PUT\_LINE(nNum);

DECLARE

nNum NUMBER:=20;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Inner Block');

DBMS\_OUTPUT.PUT\_LINE(nNum);

END;

END;

/

Outer Block

10

Inner Block

20

DECLARE

nNum NUMBER:=10;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Outer Block');

DBMS\_OUTPUT.PUT\_LINE(nNum);

DECLARE

nNum NUMBER:=20;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Inner Block');

DBMS\_OUTPUT.PUT\_LINE(nNum);

END;

DBMS\_OUTPUT.PUT\_LINE(nNum);

END;

/

Outer Block

10

Inner Block

20

10

SQL> <<OUTER>>

DECLARE

nNum NUMBER:=10;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Outer Block');

DBMS\_OUTPUT.PUT\_LINE(nNum);

<<INNER>>

DECLARE

nNum NUMBER:=20;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Inner Block');

DBMS\_OUTPUT.PUT\_LINE(nNum);

DBMS\_OUTPUT.PUT\_LINE(OUTER.nNum);

END;

DBMS\_OUTPUT.PUT\_LINE(nNum);

END;

/

<<OUTER>>

DECLARE

nNum NUMBER:=10;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Outer Block');

DBMS\_OUTPUT.PUT\_LINE(nNum);

<<INNER>>

DECLARE

nNum NUMBER:=20;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Inner Block');

DBMS\_OUTPUT.PUT\_LINE(nNum);

DBMS\_OUTPUT.PUT\_LINE(OUTER.nNum);

DBMS\_OUTPUT.PUT\_LINE(INNER.nNum);

END;

END;

/

Outer Block

10

Inner Block

20

10

20