1.1

DECLARE

V\_Sample1 NUMBER(2);

V\_Sample2 CONSTANT NUMBER(2):=1 ;

V\_Sample3 NUMBER(2) NOT NULL:=10 ;

V\_Sample4 NUMBER(2) := 50;

V\_Sample5 NUMBER(2) DEFAULT 25;

BEGIN

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

END;

/

1.2

DECLARE

var\_num1 NUMBER := 5;

BEGIN

DECLARE

var\_num1 NUMBER := 10;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Value for var\_num1:' ||var\_num1);

END;

DBMS\_OUTPUT.PUT\_LINE('Value for var\_num1:' ||var\_num1);

END;

1.3

DECLARE

V\_Empno emp.empno%TYPE;

nRecord emp%rowtype;

BEGIN

select \* into nRecord from emp where empno = 7369;

dbms\_output.put\_line('Emp ID: ' || nRecord.empno);

dbms\_output.put\_line('Name: ' || nRecord.ename);

dbms\_output.put\_line('Job: ' || nRecord.job);

dbms\_output.put\_line('Manager: ' || nRecord.mgr);

dbms\_output.put\_line('Hire Date: ' || nRecord.hiredate);

dbms\_output.put\_line('Salary: ' || nRecord.sal);

dbms\_output.put\_line('Commision: ' || nRecord.comm);

dbms\_output.put\_line('Department Number: ' || nRecord.deptno);

END;

/

1.4

DECLARE

ename emp.ename%TYPE;

empno emp.empno%TYPE;

Job emp.job%TYPE;

BEGIN

dbms\_output.put\_line('Enter employee name: ');

ename := &ename ;

getDetails(ename, empno,job);

dbms\_output.put\_line('Emp ID: ' || empno);

dbms\_output.put\_line('Name: ' || ename);

dbms\_output.put\_line('Job: ' || job);

END;

/

1.5

DECLARE

v\_sal staff\_master.staff\_sal%type;

thirty staff\_master.staff\_sal%type;

BEGIN

select staff\_sal into v\_sal from staff\_master where staff\_code=100001;

thirty :=0.3\*v\_sal;

IF thirty > 5000 THEN

UPDATE STAFF\_MASTER

SET STAFF\_SAL = v\_sal + 5000

where staff\_code=100005;

ELSE

UPDATE STAFF\_MASTER

SET STAFF\_SAL = v\_sal + thirty

where staff\_code=100001;

END IF;

END;

/

2.1

DECLARE

V\_BONUS V\_SAL%TYPE;

V\_SAL STAFF\_MASTER.STAFF\_SAL%TYPE;

CURSOR s\_salaries is

SELECT staff\_sal from staff\_master where mgr\_code=100006;

BEGIN

open s\_salaries;

loop

fetch s\_salaries into v\_sal;

V\_BONUS:=2\*V\_SAL;

DBMS\_OUTPUT.PUT\_LINE('STAFF SALARY IS ' || V\_SAL);

DBMS\_OUTPUT.PUT\_LINE('STAFF BONUS IS ' || V\_BONUS);

END LOOP;

CLOSE s\_salaries;

END;

/

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('GIVEN CODE IS NOT VALID. ENTER VALID CODE');

2.2

DECLARE

V\_BONUS V\_SAL%TYPE;

V\_SAL STAFF\_MASTER.STAFF\_SAL%TYPE;

CURSOR s\_salaries is

SELECT staff\_sal from staff\_master where mgr\_code=100006;

BEGIN

open s\_salaries;

loop

fetch s\_salaries into v\_sal;

V\_BONUS:=2\*V\_SAL;

DBMS\_OUTPUT.PUT\_LINE('STAFF SALARY IS ' || V\_SAL);

DBMS\_OUTPUT.PUT\_LINE('STAFF BONUS IS ' || V\_BONUS);

END LOOP;

CLOSE s\_salaries;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('GIVEN CODE IS NOT VALID. ENTER VALID CODE');

END;

/

2.3

DECLARE

V\_comm emp.comm%TYPE;

v\_empno NUMBER(5):=7369;

BEGIN

SELECT comm into v\_comm from emp where EMPNO = v\_empno;

DBMS\_OUTPUT.PUT\_LINE('Employees commission IS ' || v\_comm);

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

dbms\_output.put\_line('Exception Message: Sorry No commission for employee with id ' || v\_empno);

END;

/

3.1

DECLARE

PERSON\_AGE NUMBER(3);

PERSON\_DOB DATE;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('ENTER YOUR DATE OF BIRTH');

PERSON\_DOB :=&DOB;

PERSON\_AGE = SYSDATE-PERSON\_DOB;

DBMS\_OUTPUT.PUT\_LINE('YOU ARE '||PERSON\_AGE||' YEARS OLD');

END;

/

3.2

CREATE OR REPLACE PROCEDURE findmanager

AS

DECLARE

v\_staffcode staff\_master.staff\_code%type;

v\_staffname staff\_master.staff\_name%type;

v\_deptcode staff\_master.dept\_code%type;

v\_managercode staff\_master.mgr\_code%type;

cursor staff\_details is

SELECT staff\_code,staff\_name,dept\_code,mgr\_code into v\_staffcode, v\_staffname,

v\_deptcode, v\_managercode FROM staff\_master t1,

staff\_master t2 where t1.staff\_code = t2.mgr\_code;

BEGIN

open staff\_details;

loop

fetch s\_salaries into v\_sal;

END;

/

3.3

DECLARE

v\_comm emp.comm%TYPE;

v\_empno NUMBER(5):=7369;

BEGIN

SELECT comm into v\_comm from emp where EMPNO = v\_empno;

DBMS\_OUTPUT.PUT\_LINE('Employees commission IS ' || v\_comm);

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

dbms\_output.put\_line('Exception Message: Sorry No commission for employee with id ' || v\_empno);

END;

/

3.4

DECLARE

PERSON\_AGE NUMBER(3);

PERSON\_DOB DATE;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('ENTER YOUR DATE OF BIRTH');

PERSON\_DOB :=&DOB;

PERSON AGE= SYSDATE-PERSON\_DOB;

DBMS\_OUTPUT.PUT\_LINE('YOU ARE '||PERSON\_AGE|| ' YEARS OLD');

END

/

3.5

CREATE OR REPLACE PROCEDURE findmanager

AS

DECLARE

v\_staffcode staff\_master.staff\_code%type;

v\_staffname staff\_master.staff\_name%type;

v\_deptcode staff\_master.dept\_code%type;

v\_managercode staff\_master.mgr\_code%type;

cursor staff\_details is

SELECT staff\_code,staff\_name,dept\_code,mgr\_code into v\_staffcode, v\_staffname,

v\_deptcode, v\_managercode FROM staff\_master t1,

staff\_master t2 where t1.staff\_code = t2.mgr\_code;

BEGIN

open staff\_details;

loop

fetch s\_salaries into v\_sal;

END;

/