|  |
| --- |
| 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; |
|  | / |