**Упражнение 3**

**SET SERVEROUTPUT ON**

Създава последователност my\_seq

create sequence my\_seq;



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DECLARE

v\_new\_id NUMBER;

BEGIN

v\_new\_id := my\_seq.NEXTVAL;

END;

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Показва дадената стойност от последователността!

select my\_seq.currval from dual;



DECLARE

v\_salary NUMBER(6):=6000;

v\_sal\_hike VARCHAR2(5):='1000';

v\_total\_salary v\_salary%TYPE;

BEGIN

v\_total\_salary:=v\_salary+v\_sal\_hike;

END;

**Включете в горния пример извеждане на v\_salary, v\_sal\_hike и v\_total\_salary с подходящи съобщения.**



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DECLARE

v\_outer\_variable VARCHAR2(20):='GLOBAL VARIABLE';

BEGIN

DECLARE

v\_inner\_variable VARCHAR2(20):='LOCAL VARIABLE';

BEGIN

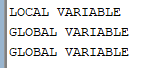
DBMS\_OUTPUT.PUT\_LINE(v\_inner\_variable);

DBMS\_OUTPUT.PUT\_LINE(v\_outer\_variable);

END;

DBMS\_OUTPUT.PUT\_LINE(v\_outer\_variable);

END;



DECLARE

v\_outer\_variable VARCHAR2(20):='GLOBAL VARIABLE';

BEGIN

DECLARE

v\_inner\_variable VARCHAR2(20):='LOCAL VARIABLE';

BEGIN

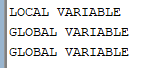
DBMS\_OUTPUT.PUT\_LINE(v\_inner\_variable);

DBMS\_OUTPUT.PUT\_LINE(v\_outer\_variable);

END;

DBMS\_OUTPUT.PUT\_LINE(v\_outer\_variable);

END;



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DECLARE

v\_father\_name VARCHAR2(20):='Patrick';

v\_date\_of\_birth DATE:='1972-04-20';

BEGIN

DECLARE

v\_child\_name VARCHAR2(20):='Mike';

v\_date\_of\_birth DATE:='2002-12-12';

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Father''s Name: '||v\_father\_name);

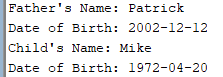
DBMS\_OUTPUT.PUT\_LINE('Date of Birth: '||v\_date\_of\_birth);

DBMS\_OUTPUT.PUT\_LINE('Child''s Name: '||v\_child\_name);

END;

DBMS\_OUTPUT.PUT\_LINE('Date of Birth: '||v\_date\_of\_birth);

END;



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BEGIN <<outer>>

DECLARE

v\_father\_name VARCHAR2(20):='Patrick';

v\_date\_of\_birth DATE:='20-Apr-1972';

BEGIN

DECLARE

v\_child\_name VARCHAR2(20):='Mike';

v\_date\_of\_birth DATE:='12-Dec-2002';

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Father''s Name: '||v\_father\_name);

DBMS\_OUTPUT.PUT\_LINE('Date of Birth: '

||outer.v\_date\_of\_birth);

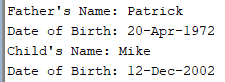
DBMS\_OUTPUT.PUT\_LINE('Child''s Name: '||v\_child\_name);

DBMS\_OUTPUT.PUT\_LINE('Date of Birth: '||v\_date\_of\_birth);

END;

END;

END outer;



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BEGIN <<outer>>

DECLARE

v\_sal NUMBER(7,2) := 60000;

v\_comm NUMBER(7,2) := v\_sal \* 0.20;

v\_message VARCHAR2(255) := ' eligible for commission';

BEGIN

DECLARE

v\_sal NUMBER(7,2) := 50000;

v\_comm NUMBER(7,2) := 0;

v\_total\_comp NUMBER(7,2) := v\_sal + v\_comm;

BEGIN

v\_message := 'CLERK not'||v\_message;

outer.v\_comm := v\_sal \* 0.30;

END;

v\_message := 'SALESMAN'||v\_message;

DBMS\_OUTPUT.PUT\_LINE(v\_message);

END;

END outer;



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DECLARE

v\_dname departments.department\_id%TYPE;

BEGIN

SELECT department\_id INTO v\_dname

FROM departments WHERE department\_id=80;

DBMS\_OUTPUT.PUT\_LINE(' Name is : '||v\_dname);

END;



DECLARE

v\_emp\_hiredate employees.hire\_date%TYPE;

v\_emp\_salary employees.salary%TYPE;

BEGIN

SELECT hire\_date, salary

INTO v\_emp\_hiredate, v\_emp\_salary

FROM employees

WHERE employee\_id = 100;

DBMS\_OUTPUT.PUT\_LINE('date: '||v\_emp\_hiredate||' salary: '||v\_emp\_salary);

END;



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DECLARE

v\_sum\_sal NUMBER(10,2);

v\_deptno NUMBER NOT NULL := 60;

BEGIN

SELECT SUM(salary) -- group function

INTO v\_sum\_sal FROM employees

WHERE department\_id = v\_deptno;

DBMS\_OUTPUT.PUT\_LINE ('The sum of salary is ' || v\_sum\_sal);

END;



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DECLARE

hire\_date employees.hire\_date%TYPE;

sysdate hire\_date%TYPE;

employee\_id employees.employee\_id%TYPE := 176;

BEGIN

SELECT hire\_date, sysdate

INTO hire\_date, sysdate

FROM employees

WHERE employee\_id = employee\_id ;

END;

**Грешно!!! Направете корекции за правилно изпълнение**

**Зад 1.** Намерете минималната заплата и я изведете с подходящ текст.



**Зад 2.** Намерете максималната, минималната заплата и разликата между тях за зададен отдел. Изведете ги с подходящи съобщения.



**Зад 3.** Намерете и изведете броя на служителите от зададен отдел.

