

Laboratorinis darbas nr. 5

1. lab_05_01.sql turinys:

```
DROP TABLE messages;
CREATE TABLE messages (results VARCHAR2(80));

BEGIN
    FOR i IN 1..10 LOOP
        IF NOT (i = 6 OR i = 8) THEN
            INSERT INTO messages (results) VALUES (i);
        END IF;
    END LOOP;
    COMMIT;
END;
/
```

```
SELECT * FROM messages;
```

2. lab_05_02.sql turinys:

```
DROP TABLE emp;
CREATE TABLE emp AS SELECT * FROM employees; ALTER TABLE emp ADD stars
VARCHAR2(50);
```

```
DECLARE
    v_empno      emp.employee_id%TYPE      := 176;
    v_asterisk    emp.stars%TYPE            := NULL;
    sal           emp.salary%TYPE;
    v_index       NUMBER                   := 0;
BEGIN
    SELECT salary INTO sal FROM emp WHERE employee_id = v_empno;
    WHILE v_index < sal LOOP
        v_asterisk := v_asterisk || '*';
        v_index := v_index + 1000;
    END LOOP;
    UPDATE emp SET stars = v_asterisk WHERE employee_id = v_empno;
    COMMIT;
END;
/
```

```
SELECT employee_id, salary, stars FROM emp WHERE employee_id = 176;
```

3. lab_05_03.sql turinys:

```
CREATE OR REPLACE FUNCTION is_leap
  (year NUMBER)
RETURN VARCHAR2
IS
BEGIN
  IF (MOD(year, 4) = 0)
    AND (NOT (MOD(year, 100) = 0) OR (MOD(year, 400) = 0))
  THEN
    RETURN 'a leap year';
  ELSE
    RETURN 'not a leap year';
  END IF;
END;
/
BEGIN
  DBMS_OUTPUT.PUT_LINE('1900 is ' || is_leap(1900));
  DBMS_OUTPUT.PUT_LINE('2000 is ' || is_leap(2000));
  DBMS_OUTPUT.PUT_LINE('1996 is ' || is_leap(1996));
  DBMS_OUTPUT.PUT_LINE('1886 is ' || is_leap(1886));
  DBMS_OUTPUT.PUT_LINE('1992 is ' || is_leap(1992));
END;
```