/\*Sa se ilustreze printr-un exemplu pe schema aleasa pentru proiect aparitia erorii mutating table si sa se trateze aceasta eroare. Se va implementa trigger-ul care genereaza eroarea cu comenzile de declansare si solutia.   
Studiati exemplul 8 din laborator6\_PLSQL.pdf si exemplul 8.17 din fisierul Materiale/cursuri/SGBD8 - PLSQL Triggeri - mutating - trigger-compus.sql.\*/

/\*Causes mutating table error\*/

CREATE OR REPLACE TRIGGER get\_sal\_sum\_for\_each

BEFORE UPDATE OF salary ON hospitals\_medics\_t

FOR EACH ROW

DECLARE curr\_salary\_sum hospitals\_medics\_t.salary%TYPE;

BEGIN

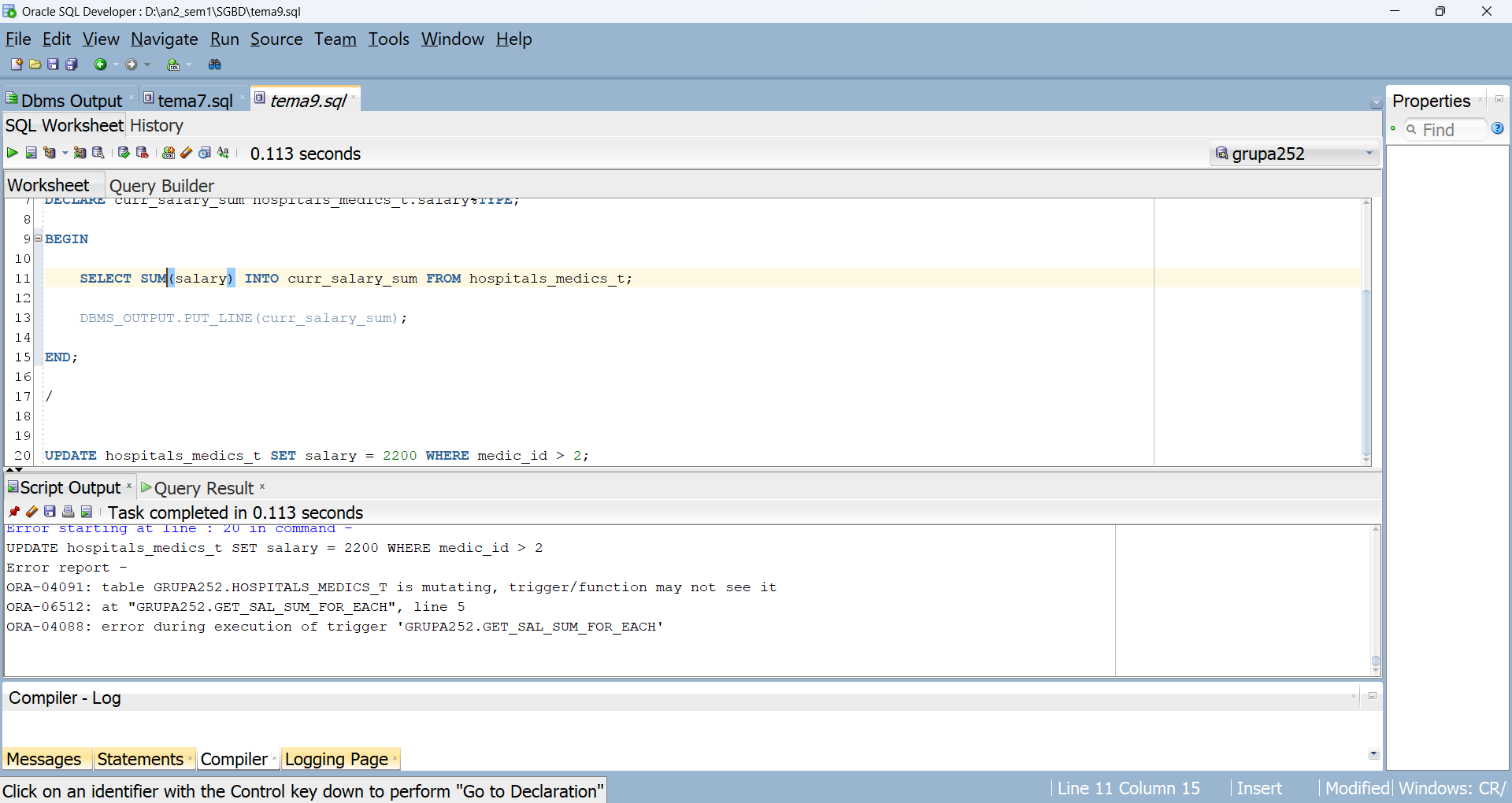
SELECT sum(salary) INTO curr\_salary\_sum FROM hospitals\_medics\_t;

DBMS\_OUTPUT.PUT\_LINE(curr\_salary\_sum);

END;

/

UPDATE hospitals\_medics\_t SET salary = 3700 WHERE medic\_id > 2;



/\*Solution\*/

CREATE OR REPLACE PACKAGE salary\_package AS

curr\_salary\_sum hospitals\_medics\_t.salary%TYPE;

END salary\_package;

/

CREATE OR REPLACE TRIGGER get\_sal\_sum

BEFORE UPDATE OF salary ON hospitals\_medics\_t

BEGIN

SELECT sum(salary) INTO salary\_package.curr\_salary\_sum FROM hospitals\_medics\_t;

END;

/

CREATE OR REPLACE TRIGGER get\_sal\_sum\_for\_each

BEFORE UPDATE OF salary ON hospitals\_medics\_t

FOR EACH ROW

BEGIN

salary\_package.curr\_salary\_sum := salary\_package.curr\_salary\_sum + (:new.salary - :old.salary);

DBMS\_OUTPUT.PUT\_LINE(salary\_package.curr\_salary\_sum);

END;

/

UPDATE hospitals\_medics\_t SET salary = 2200 WHERE medic\_id > 2;