**Database Programming**

**Exercises 23-25**

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**Instruction: Provide FULL Screenshot of your code with the result on SQL Developer or SQL Live**

**Exercise 23 (1.2%)**

Create a trigger on employees that will not allow employees to update salary for Accountants. Executes the trigger body before the triggering DML event on a table. As result of your trigger the following message should be displayed , You are not allowed to update accountants salary

Hint: Use when clause

Code:

**SET SERVEROUTPUT ON**

**CREATE OR REPLACE TRIGGER secure\_emp**

**Before INSERT OR UPDATE OF SALARY ON employees**

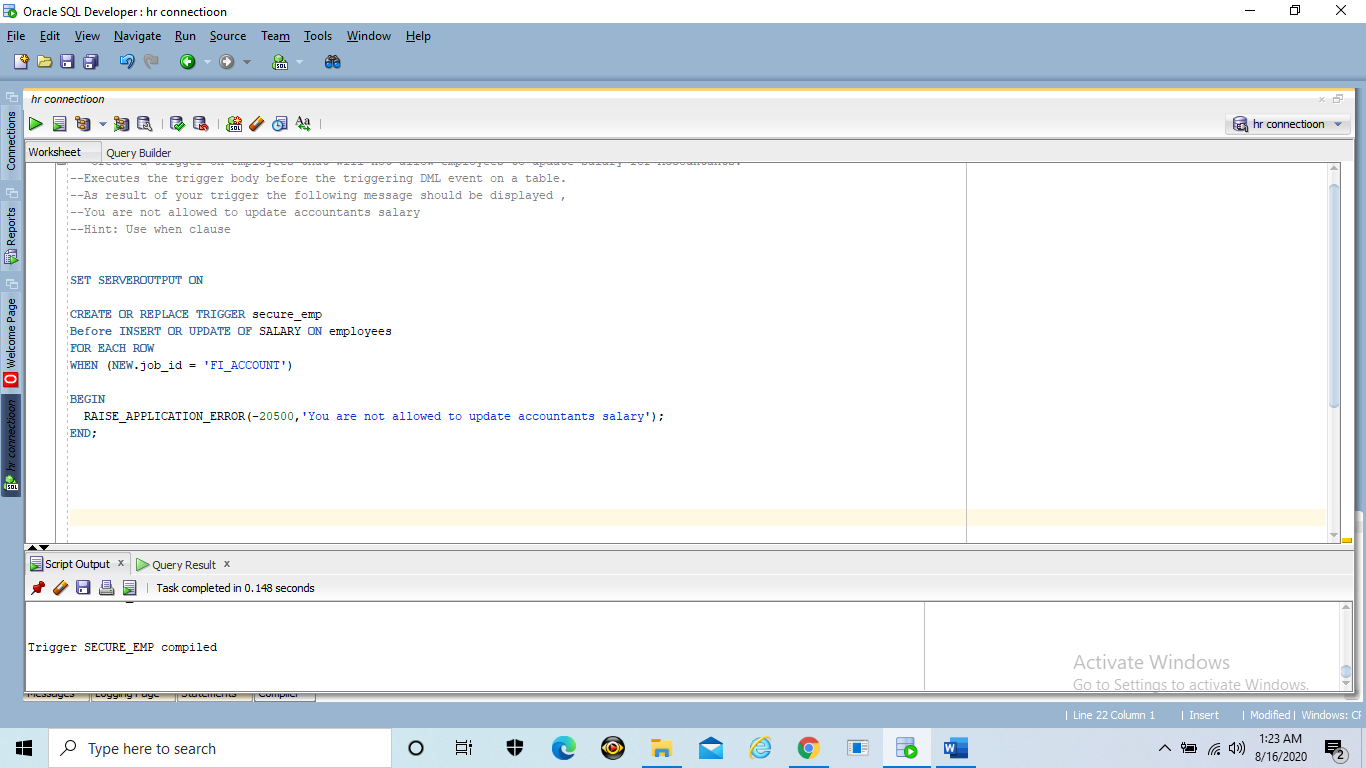
**FOR EACH ROW**

**WHEN (NEW.job\_id = 'FI\_ACCOUNT')**

**BEGIN**

**RAISE\_APPLICATION\_ERROR(-20500,'You are not allowed to update accountants salary');**

**END;**



**Exercise 24 (1.2%)**

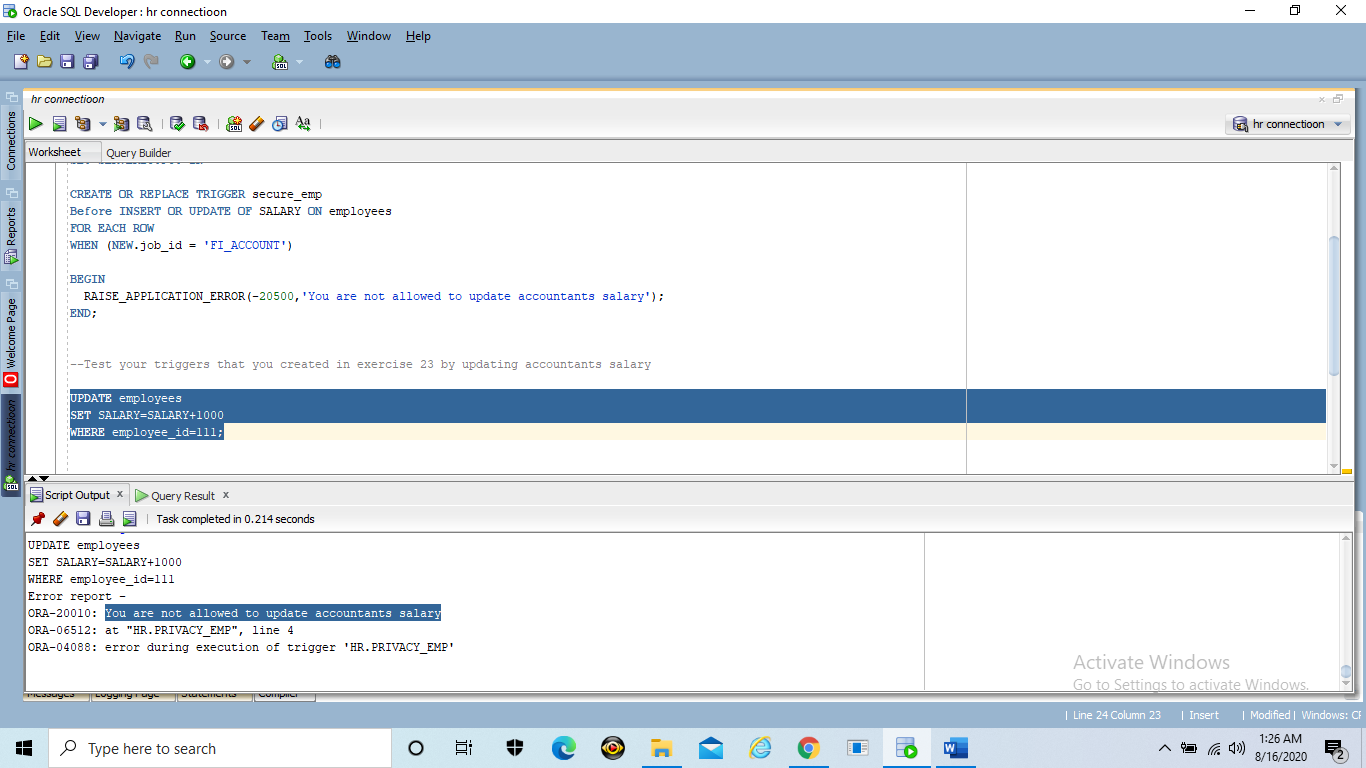
Test your triggers that you created in exercise 23 by updating accountants salary

Code:

**UPDATE employees**

**SET SALARY=SALARY+1000**

**WHERE employee\_id=111;**



**Exercise 25 (1.2%)**

Display information about your trigger using user\_triggers data dictionary view

Code:

**DESCRIBE user\_triggers;**

**SELECT trigger\_type, trigger\_body**

**FROM user\_triggers**

**WHERE trigger\_name = 'secure\_emp';**

