**Database Programming (CSD 4203\_2)**

**Exercises 20-22**

**Name: Sakshi Jain Student ID: c0753352**

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

***Exercise 20 (1.2%)***

**Create a function called “get\_job” that will accept job\_id as parameter and return job\_title. Invoke the function with the proper parameter.**

Code:

SET SERVEROUTPUT ON

CREATE OR REPLACE FUNCTION get\_job (p\_jobid IN jobs.job\_id%Type)

RETURN jobs.job\_title%Type IS

v\_title jobs.job\_title%Type;

BEGIN

SELECT job\_title INTO v\_title FROM jobs

WHERE job\_id = p\_jobid;

RETURN v\_title;

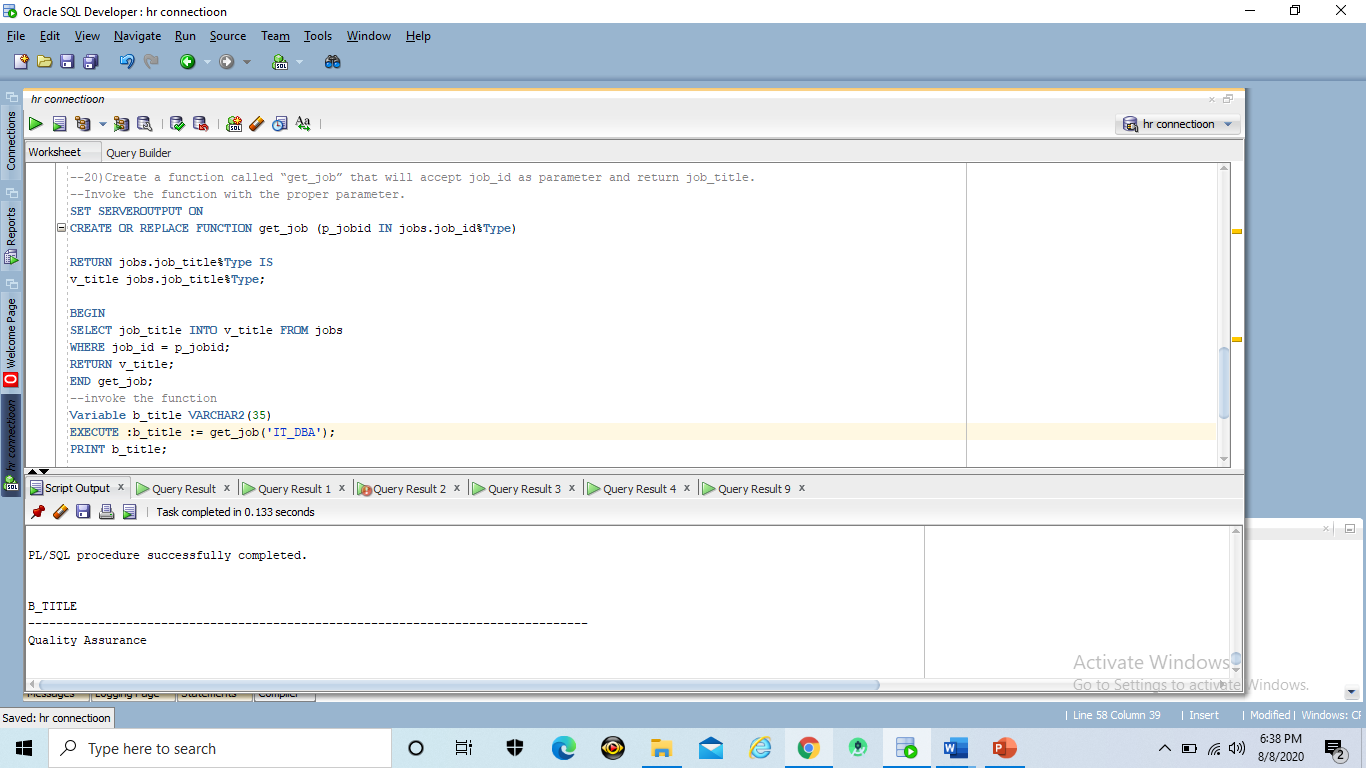
END get\_job;

--invoke the function

Variable b\_title VARCHAR2(35)

EXECUTE :b\_title := get\_job('IT\_DBA');

PRINT b\_title;



***Exercise 21 (1.2%)***

**Create function called “avg\_sal” that will accept has department\_id as parameter and return the average salary of the entered department id.**

Code:

SET SERVEROUTPUT ON

CREATE OR REPLACE FUNCTION avg\_sal(v\_deptid employees.department\_id%TYPE)

RETURN NUMBER IS

v\_avg\_sal employees.salary%TYPE;

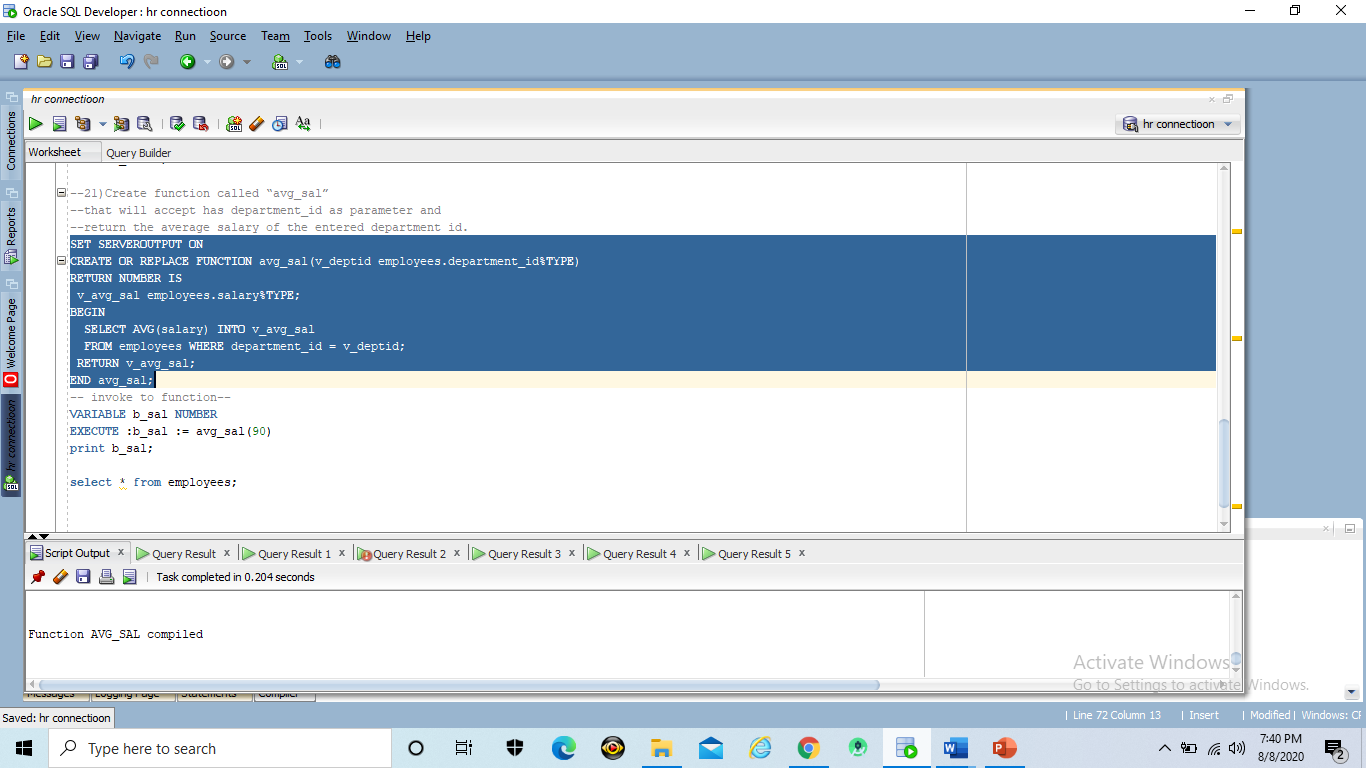
BEGIN

SELECT AVG(salary) INTO v\_avg\_sal

FROM employees WHERE department\_id = v\_deptid;

RETURN v\_avg\_sal;

END avg\_sal;



***Exercise 22 (1.2%)***

**Invoke the function you created “avg\_sal” using proper parameter value**

Code:

VARIABLE b\_sal NUMBER

EXECUTE :b\_sal := avg\_sal(90)

print b\_sal;

