## **Database Programming - CSD 4203**

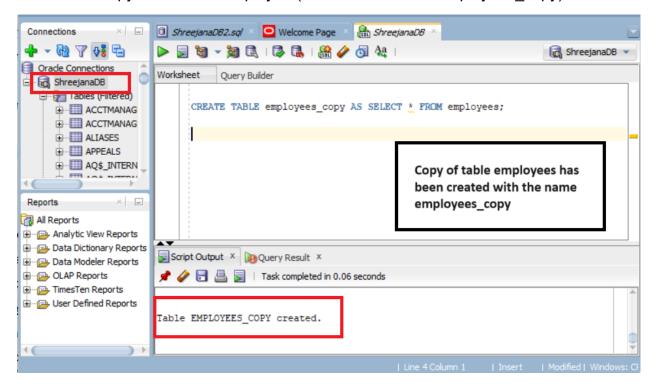
## Practical Exercise #1 - 2024S

Student ID: C0930321

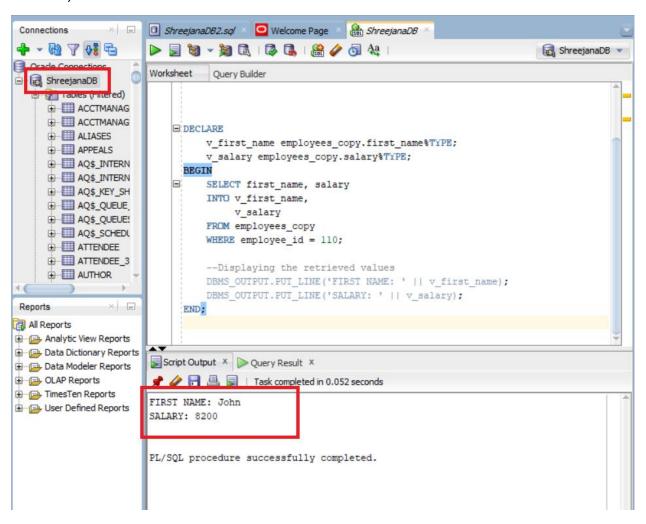
Student Name: Shreejana Shrestha

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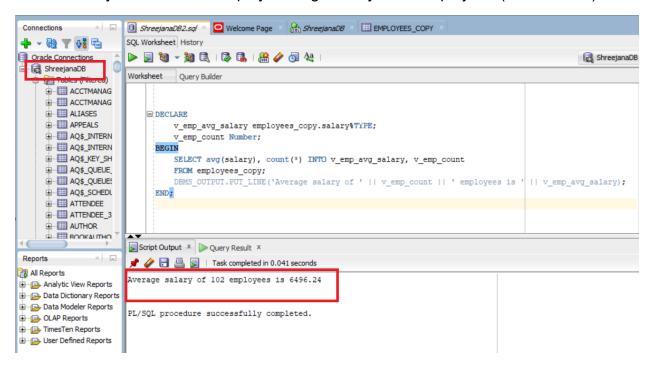
1. Create a copy of the table employee (New table name is employees copy)



2. Write anonymous block to display FirstName and Salary of employee number 110 (use %TYPE)



3. Write anonymous block to display average salary of all employees (use %TYPE)



## 4. What is the difference between %ROWTYPE and %TYPE?

%TYPE and %ROWTYPE are the attributes in oracle PL/SQL. They are used to declare variables that inherit the data types of existing database objects. These attributes help to enhance code consistency and flexibility. Some of the differences between these attributes are given below:

S.N	%TYPE	%ROWTYPE
1.	It declares a variable with the same	It declares a variable of type record that
	data type and size that represents a	represents either a full or partial row of
	database column	a database or view.
2.	It focuses on single columns	It focuses on complete rows
3.	It is best used for procedures and	It is best used for cursors where entire
	functions where individual column	roes are fetched and processed.
	values are processed.	
4.	It automatically adapts to changes in	It automatically adapts to changes in
	the data type of the referenced column.	the structure of the referenced table or
		cursor.