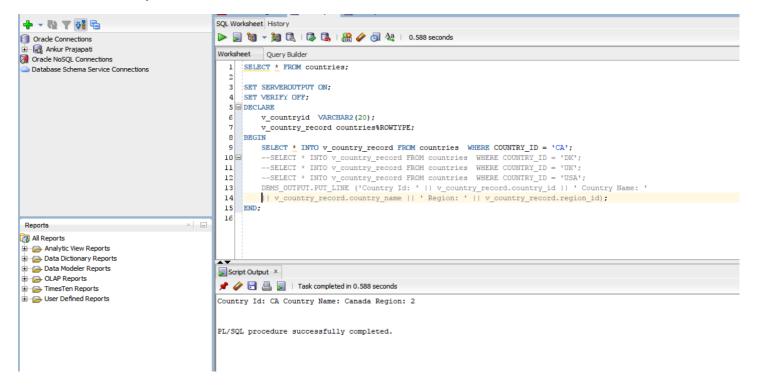
## Lab Assignment - 4

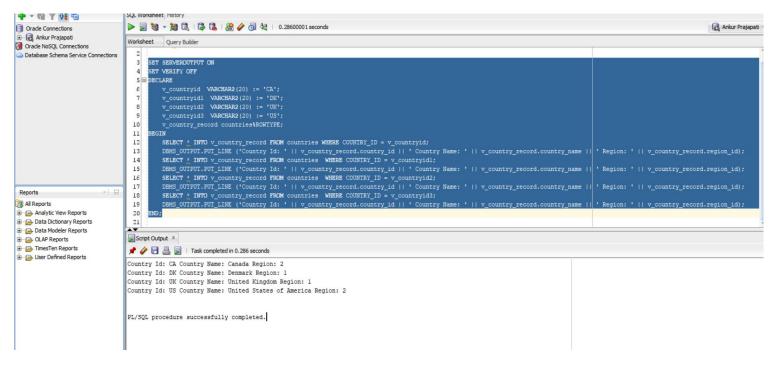
Name: Ankur Prajapati StudentID: N01324892

#### 1. Step a to d:



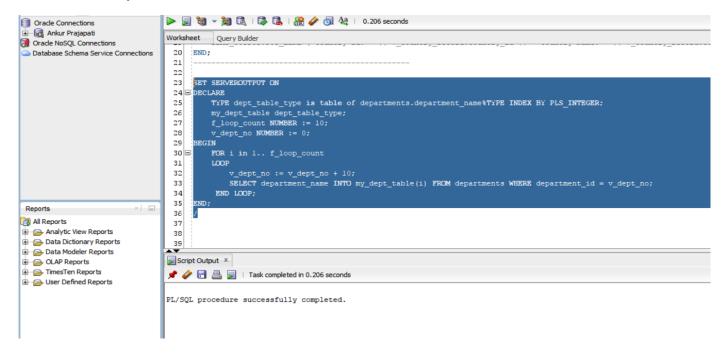
Here I have created variable v\_countryid of type VARCHAR2 to store the information of the county id. Using that variable, I am printing record of Country 'CA'. Note that the record v\_country\_record has the same type of table countries due to the %ROWTYPE.

# Step e:



In step e, I am printing record related to the 'ÇA', 'DA', 'UK', 'US'.

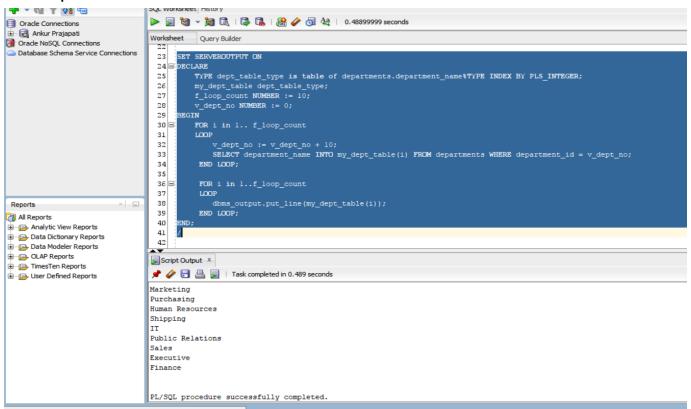
#### 2. Step a to c:



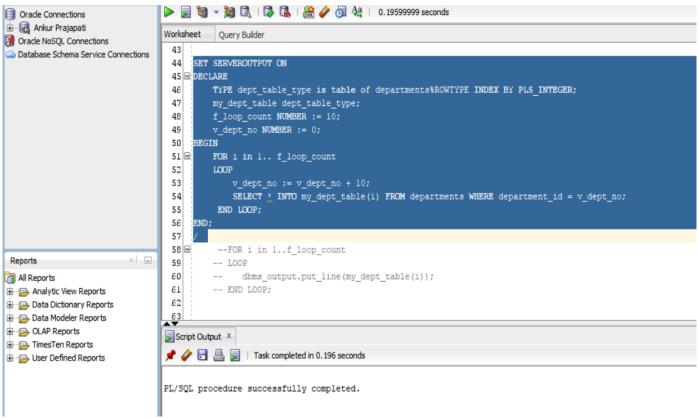
Here I have created dept\_table\_type and given the Index BY PLS\_INTEGER and created two variables one for loop and other to increment the department number by 10.

In first loop it gets the value of department id and in second loop it gets the value of department name.

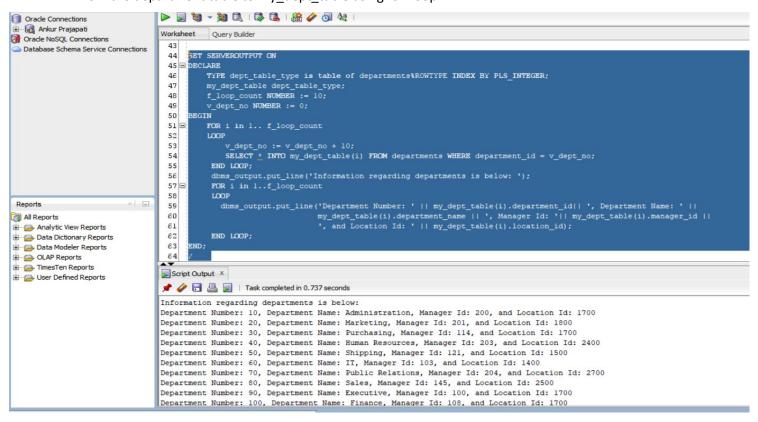
#### Step d:



### 3. Step a to c:



Here I have modified the declaration part of dept\_table\_type to keep it same as the departments table using %ROWTYPE. Now instead of selecting only the department id I am storing all the values from the department table to my\_dept\_table using for Loop.



Because we are storing all the column information from the departments table now, we have to modify the second loop to print the column data in order to the records we have.