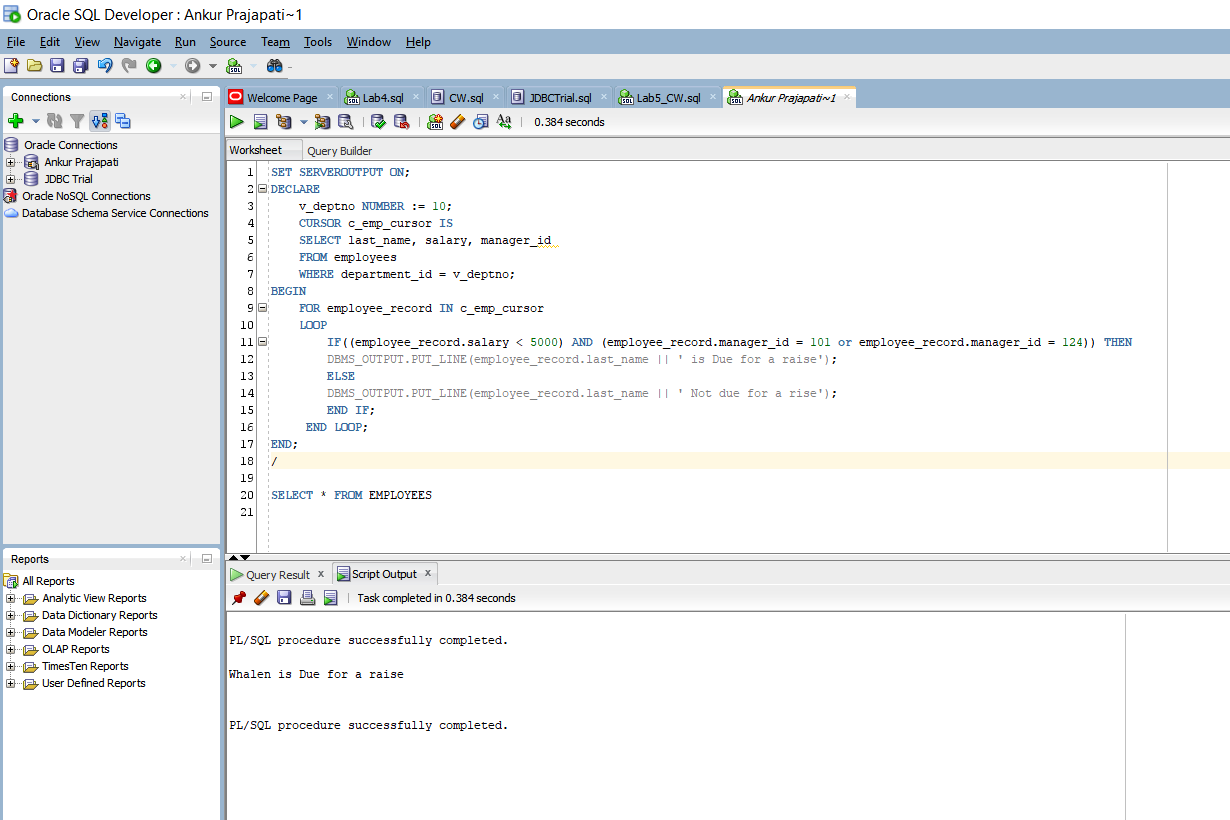
Practice 1:

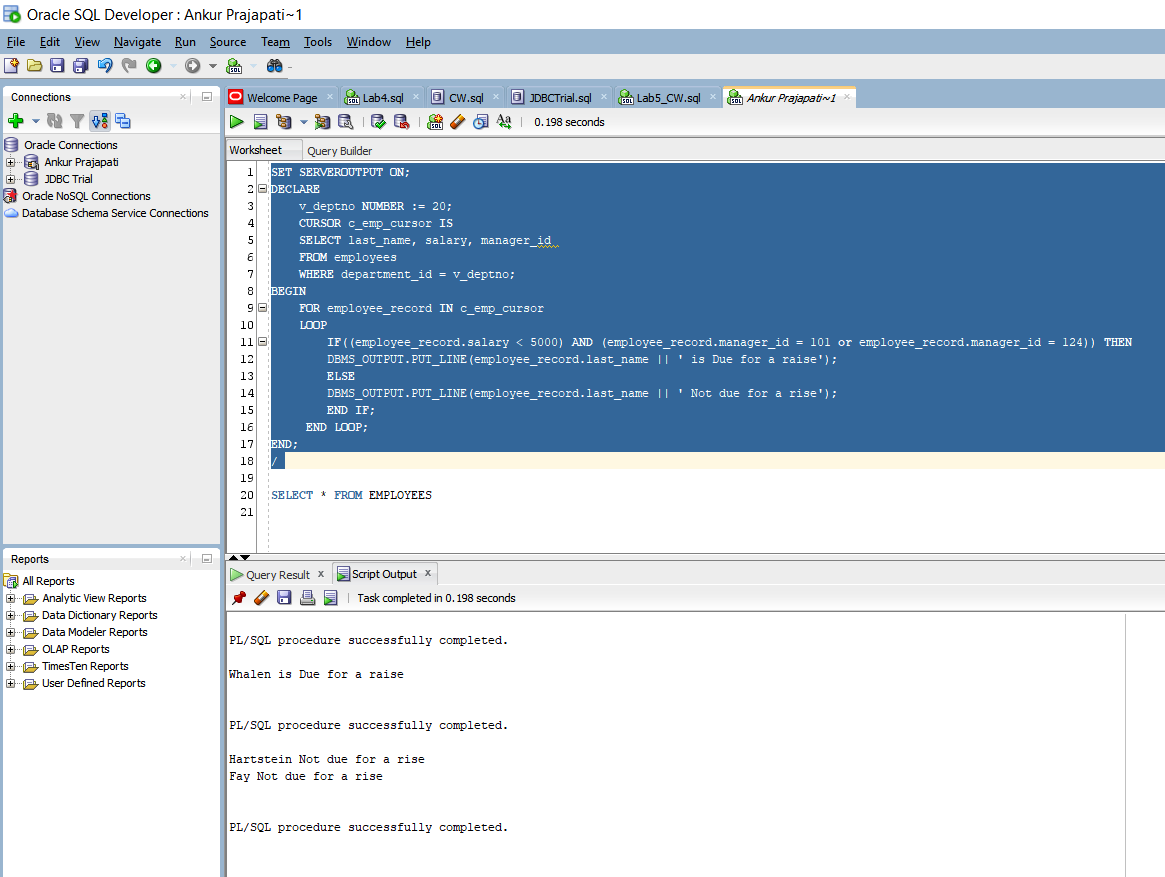
Question 1:

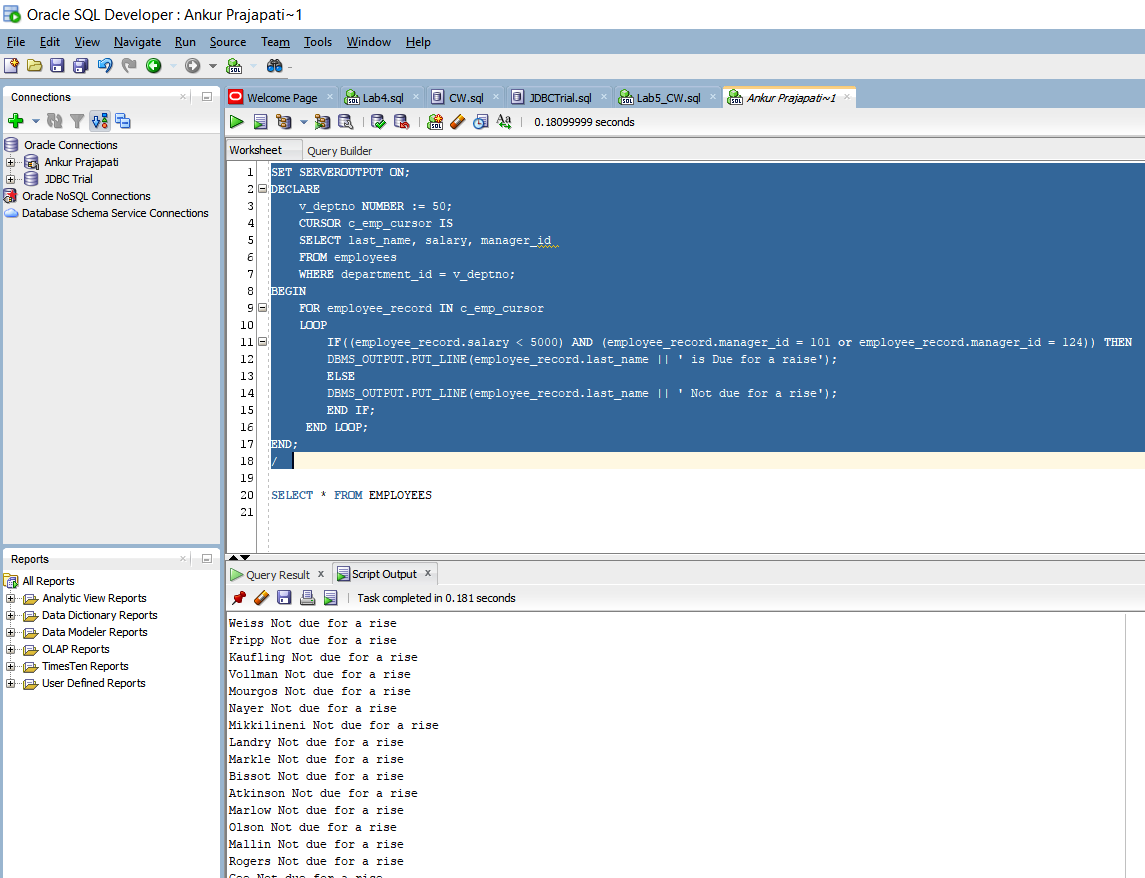
Test Outputs:

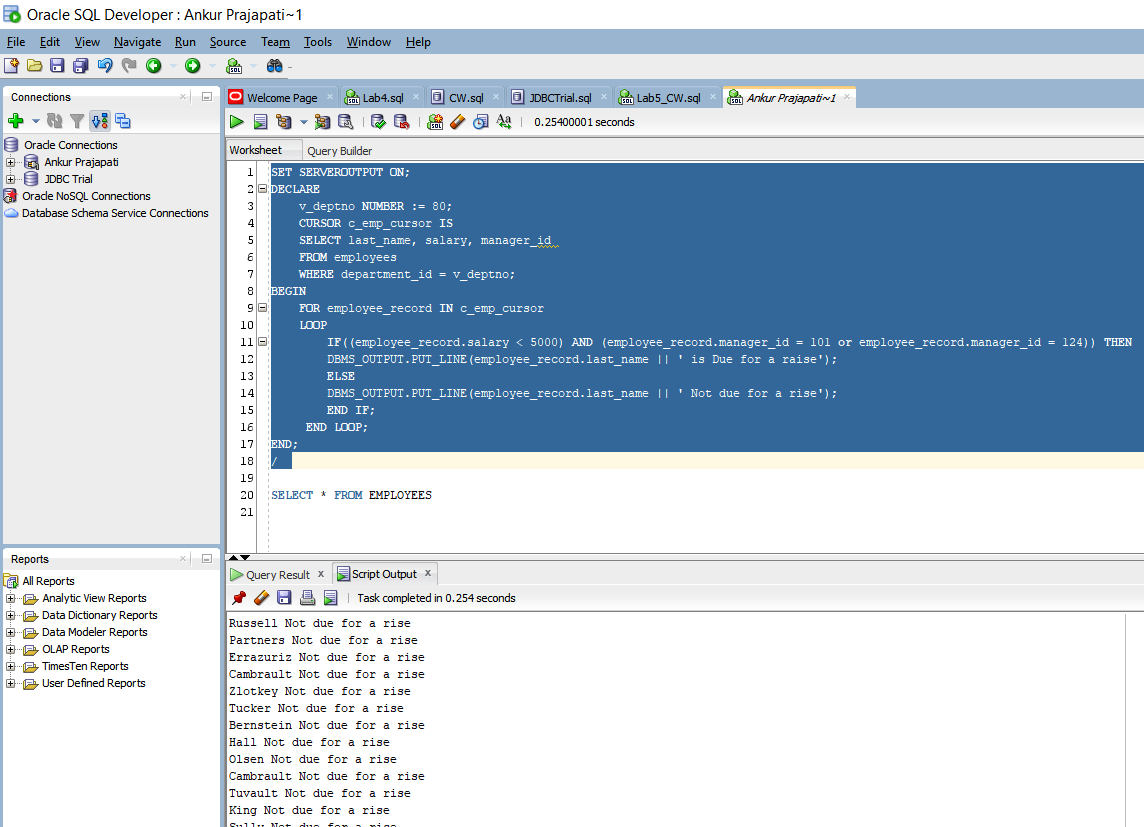


Here I have created CURSOR named c\_emp\_cursor and it selects last name, salary and manager id from employees where cdepartment id is same as v\_deptno.

In executable section I used LOOP for employee\_record in c\_emp\_cursor to print the output.

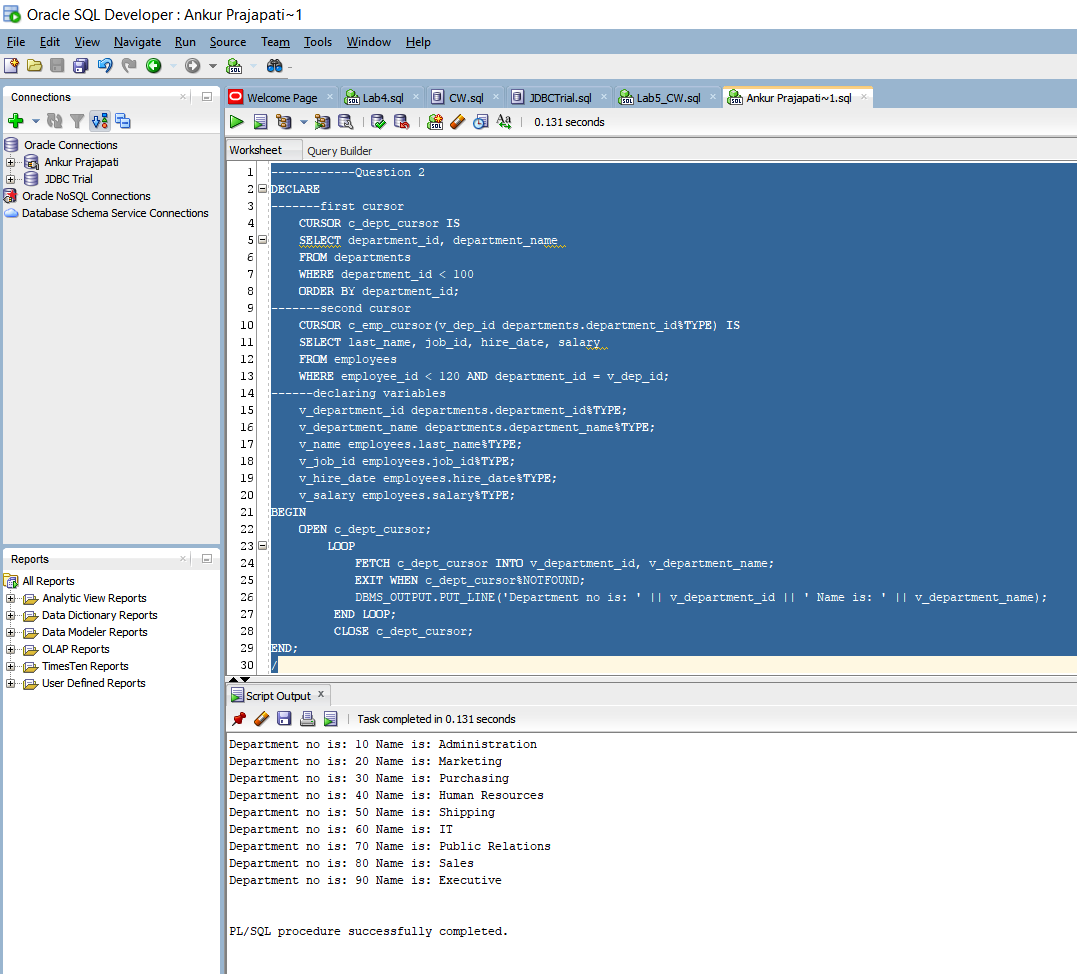


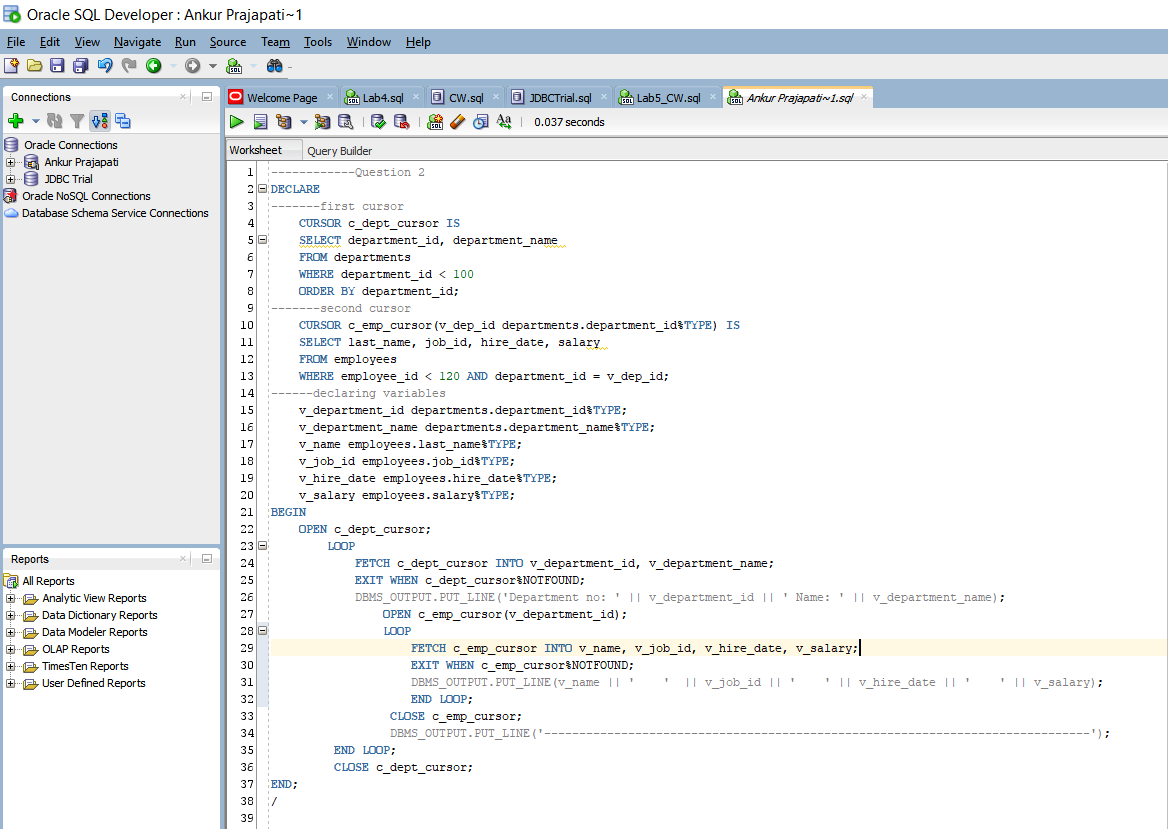




These above output shows for all the department id given in PDF.

Question 2:



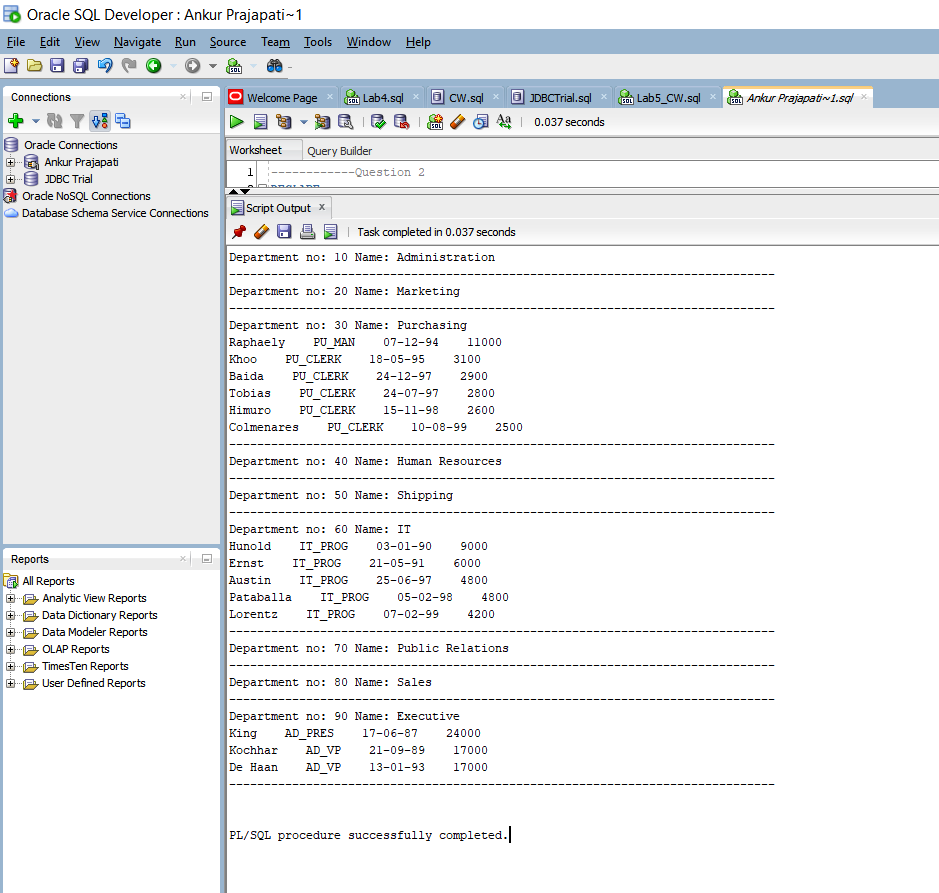


First, I declared cursor named c\_dept\_cursor which selects multiple rows where department id is less than 100. After that I declared second cursor named c\_emp\_cursor having parameter of v\_dep\_id which is having same data type of department\_id column of department table.

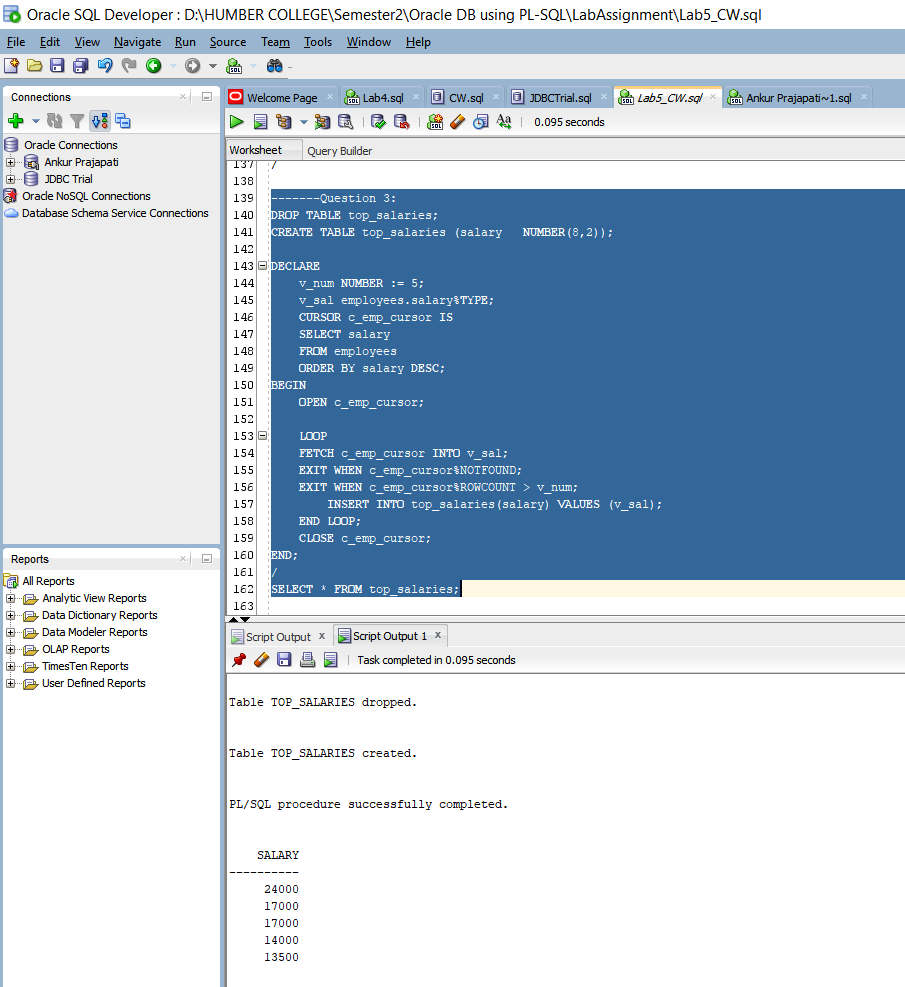
After that I have declared variables as asked in PDF which will be used to print the output.

In Executable part I have opened c\_dept\_cursor and IN LOOP it fetches data from allocated data and if its not found then it will exit. When this cursor is opened, I opened another cursor c\_emp\_cursor with the parameter v\_department\_id and it fetches data and print it. If not found it will exit. It close Loop first and after that c\_emp\_cursor and after that it closes c\_dept\_cursor.

Output:

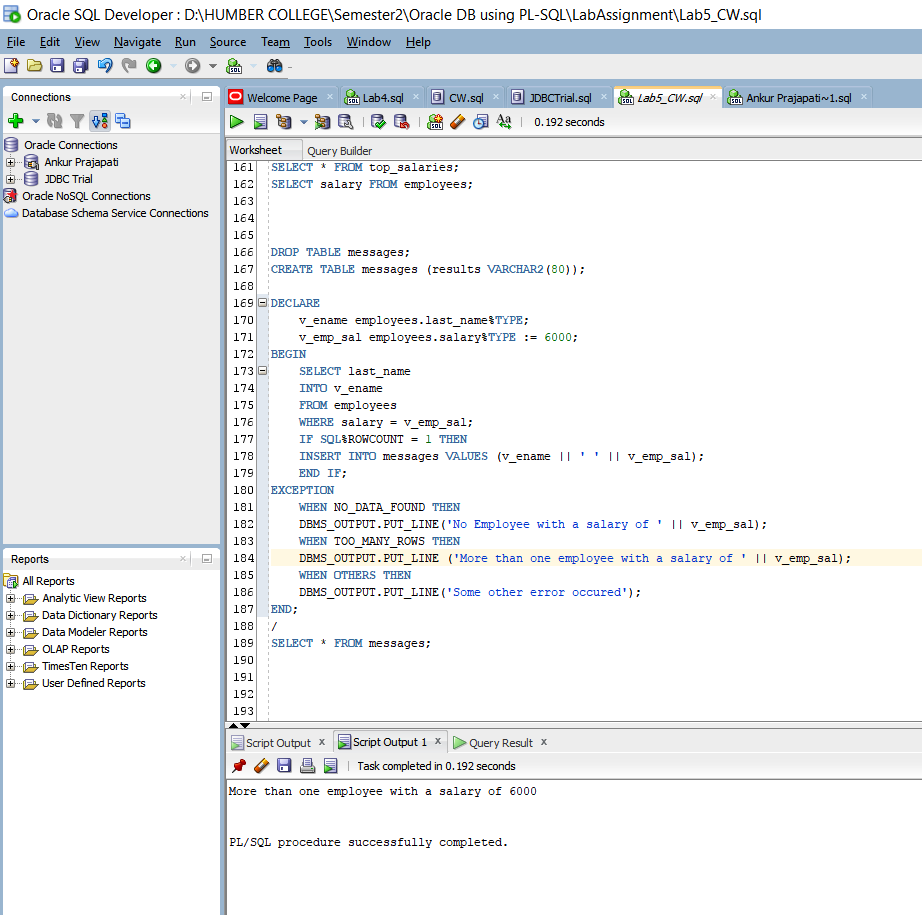


Practice 2:



Here, I have created top\_salaries table and declared cursor named c\_emp\_cursor which selects rows from employees table and orders it by salary in descending order. In executable section I am opening c\_emp\_cursor and in LOOP I am fetching it into v\_sal variable where it stores the top 5 salaries. If c\_emp\_cursor is not found it will exit and if the %ROWCOUNT is grater than v\_sal it will exit. At the end I closed the c\_emp\_cursor and used SELECT statement to print the top 5 salaries.

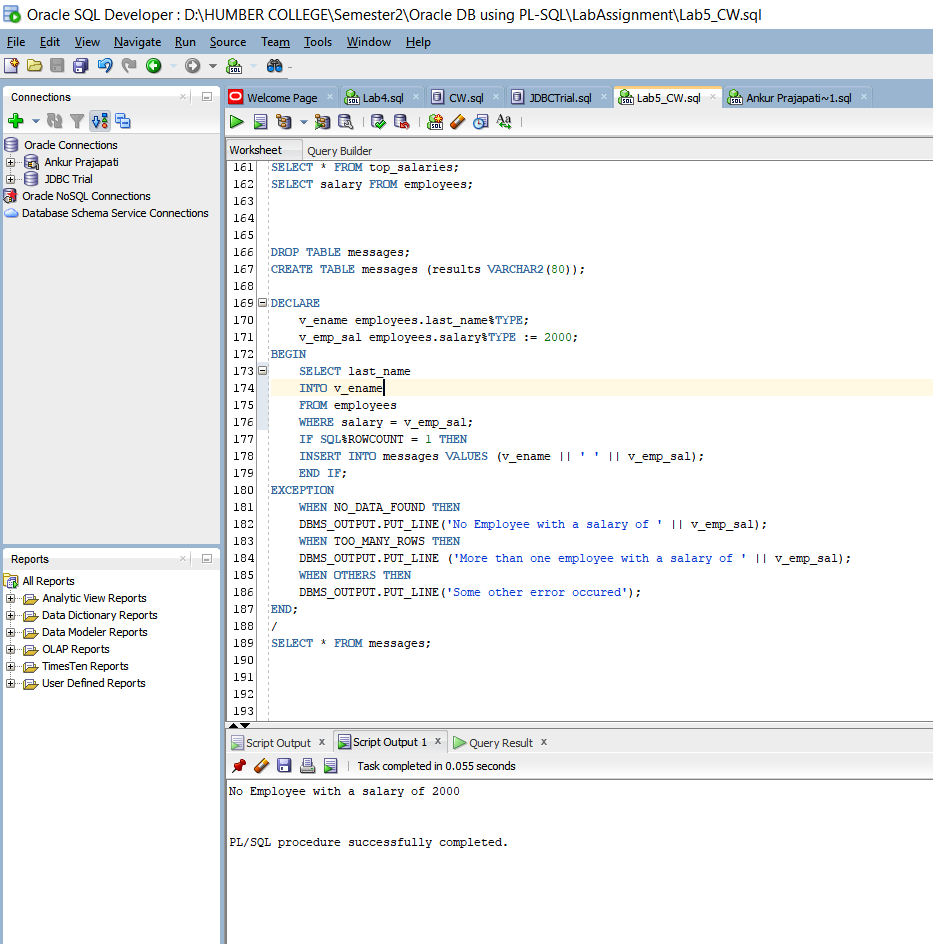
Practice 3:



In declaration section v\_emp\_salary of employees.salary type is declared and initialized with 6000. Where in executable section it selects the row as per select statement and IF SQL%ROWCOUNT is 1 it will insert the sleceted data into message table.

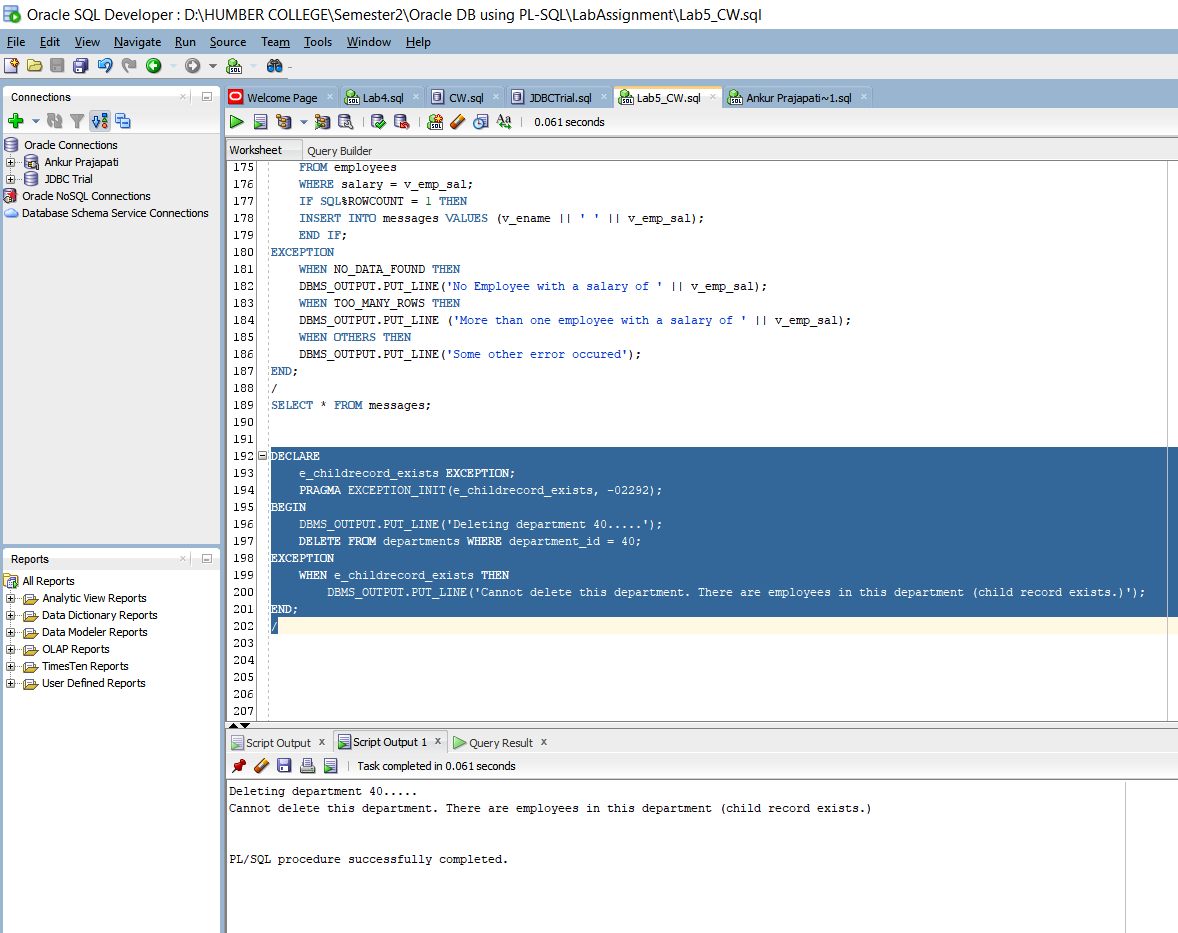
In Exception section, there are three exceptions if the data is not found it will print, the message stored in NO\_DATA\_FOUND exception. If there are many rows then it will print the message stored in exception called TOO\_MANY\_ROWS. Suppose, anything else than these exceptions occurs it will show the exception message stored in OTHERS.

Note that here NO\_DATA\_FOUND and TOO\_MANY ROWS are predefined exceptions of Orcale.



In here it prints message stored in exception NO\_DATA\_FOUND. Because there are no data with the salary 2000.

Practice 4:



Here in declaration section I have declared e\_childrecord\_exists as an Exception. I used PRAGMA to link the declared exception with error code -2292. In executable section I am trying to delete data from departments tabloe where department id is 40. In Exception section I am printing the output message associated with that exception.