# SHLOK ANAND

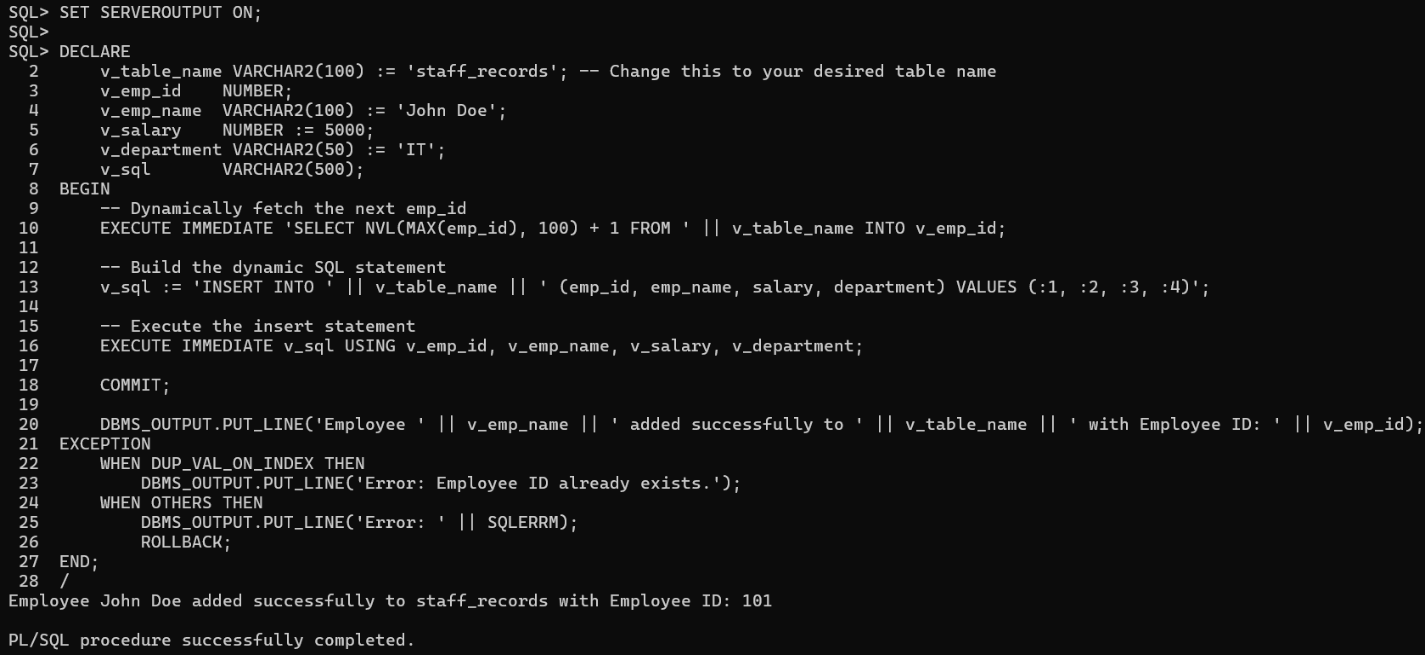
# 23070521142

# Tasks on PL/SQL Basics with Database

**Task 1:** Write a PL/SQL block to insert a new employee into the employees table.

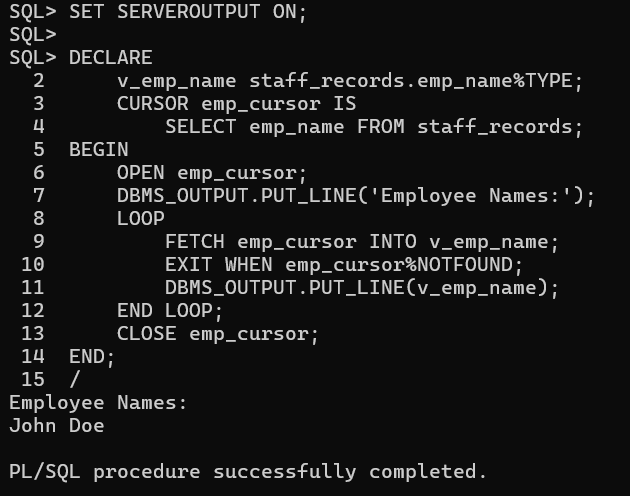
**Table:** employees(emp\_id, emp\_name, salary, department)

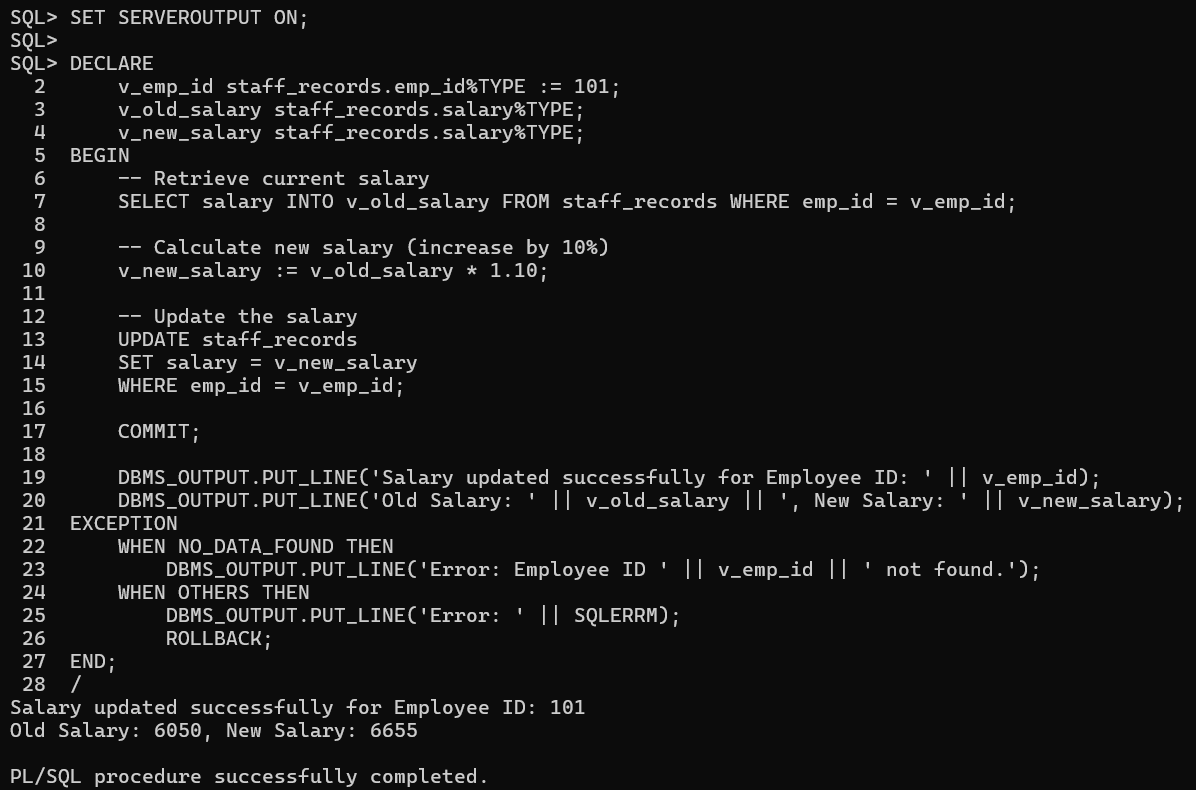
Insert an employee with emp\_id = 101, emp\_name = 'John Doe', salary = 5000, department = 'IT'.



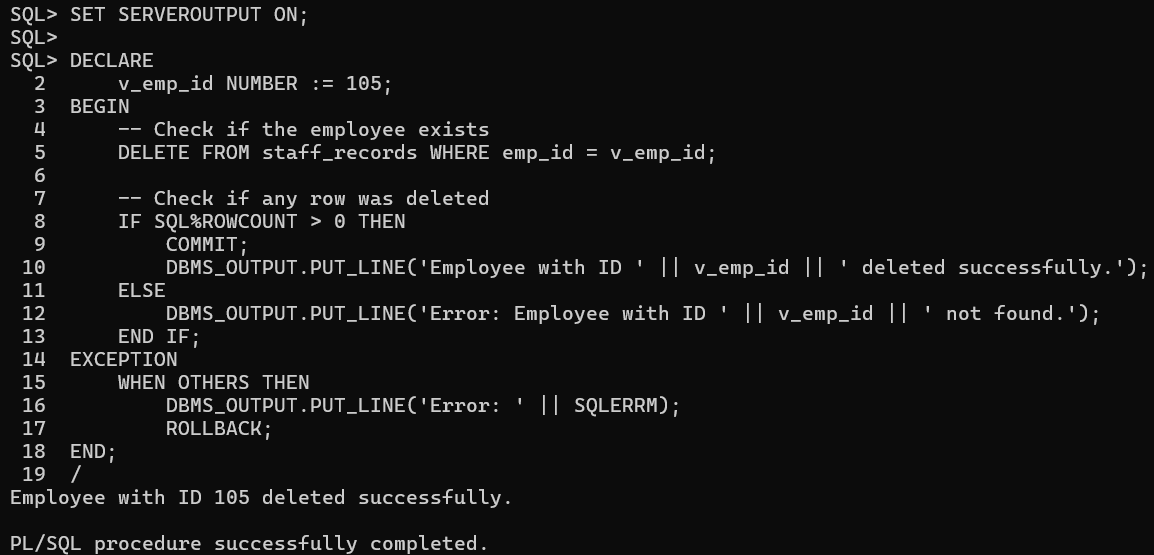
**Task 2:** Create a PL/SQL block to retrieve and display all employee names from the

employees table.

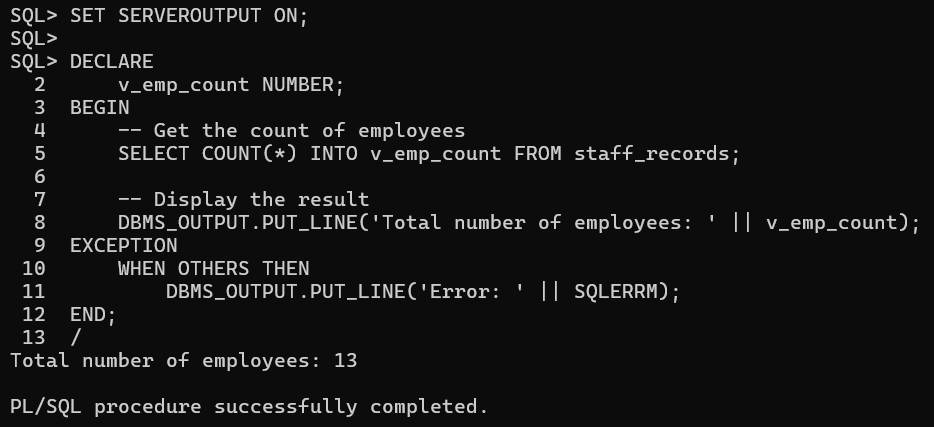
**Task 3:** Write a PL/SQL block to update the salary of an employee whose emp\_id = 101 by increasing it by **10%**.



**Task 4:** Create a PL/SQL block to delete an employee whose emp\_id = 105.



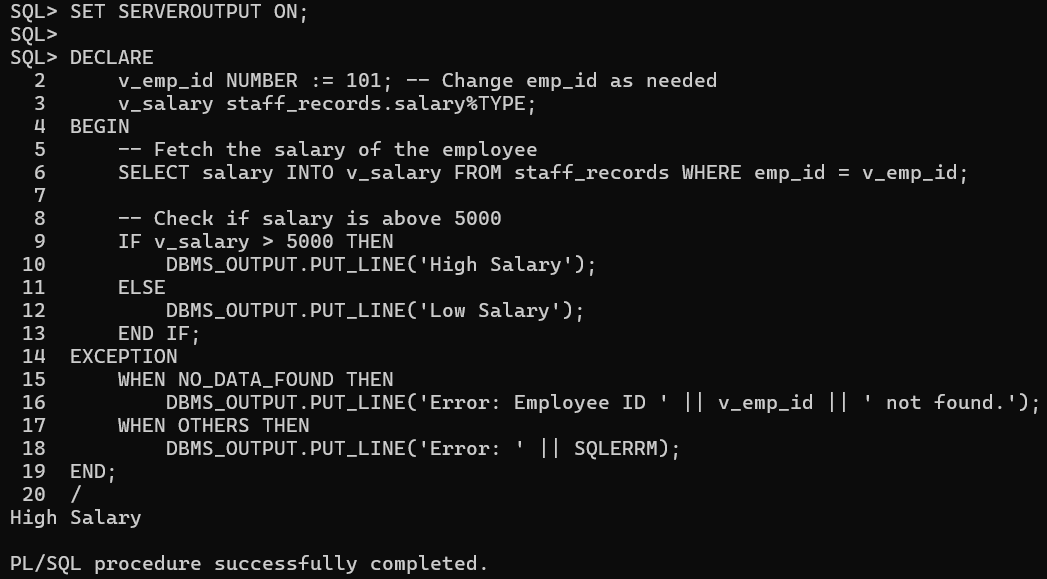
**Task 5:** Display the count of employees in the employees table.



# Tasks on Conditional Statements with Database

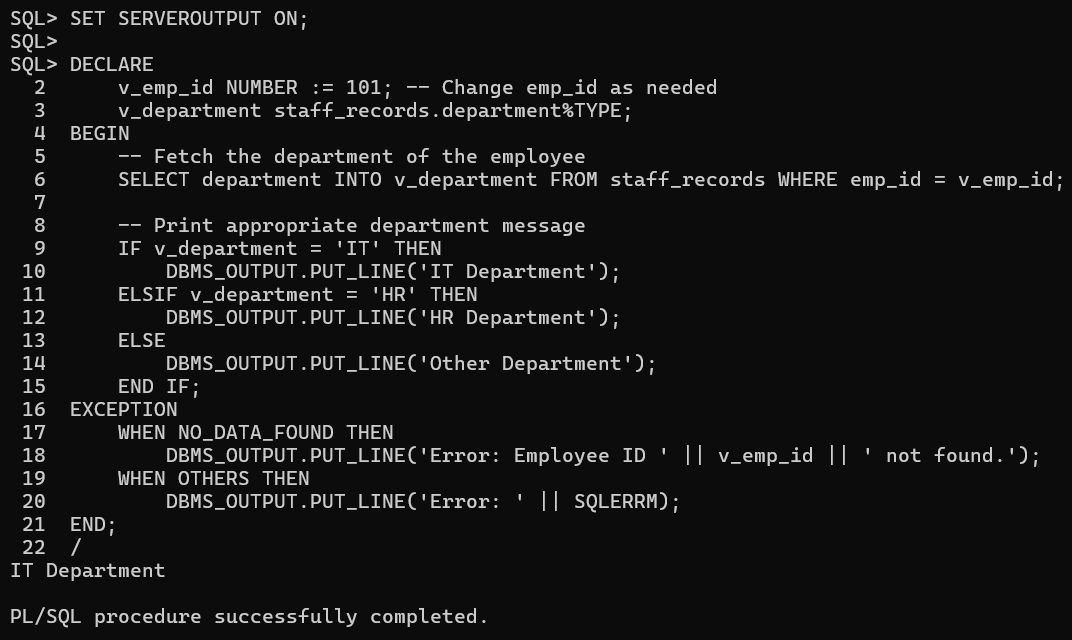
**Task 6:** Write a PL/SQL block that checks if an employee's salary is above **5000**. If yes, print

"High Salary"; otherwise, print "Low Salary".



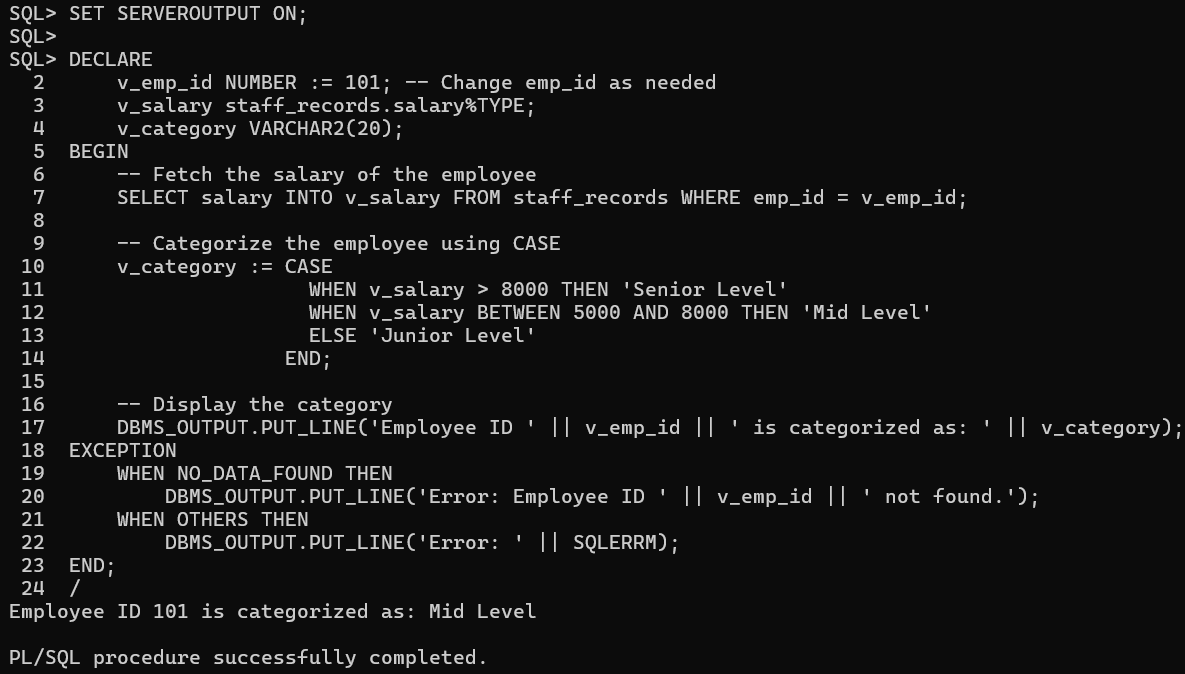
**Task 7:** Fetch the department of an employee based on emp\_id and print:

* "IT Department" if in **IT**,
* "HR Department" if in **HR**,
* "Other Department" otherwise.

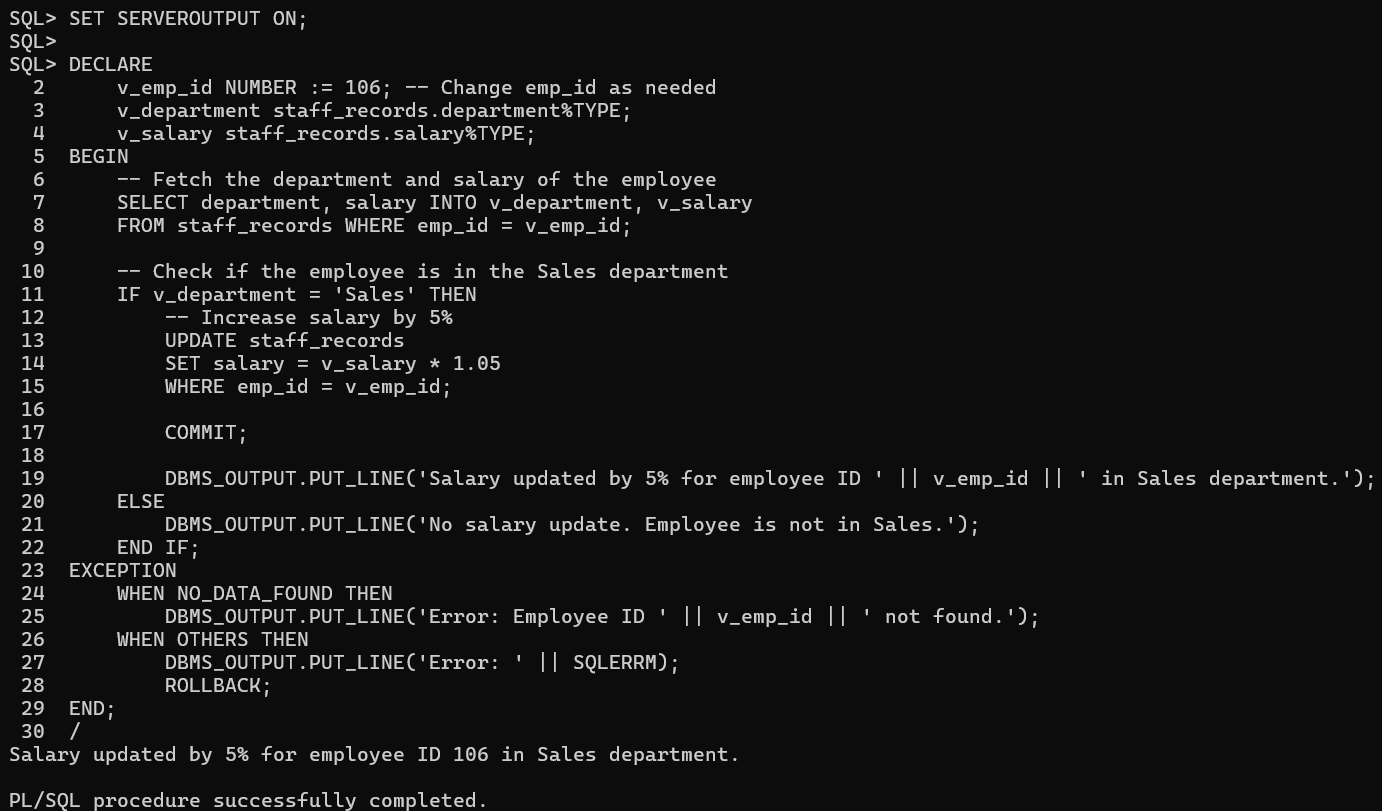


**Task 8:** Use a CASE statement to categorize employees based on salary:

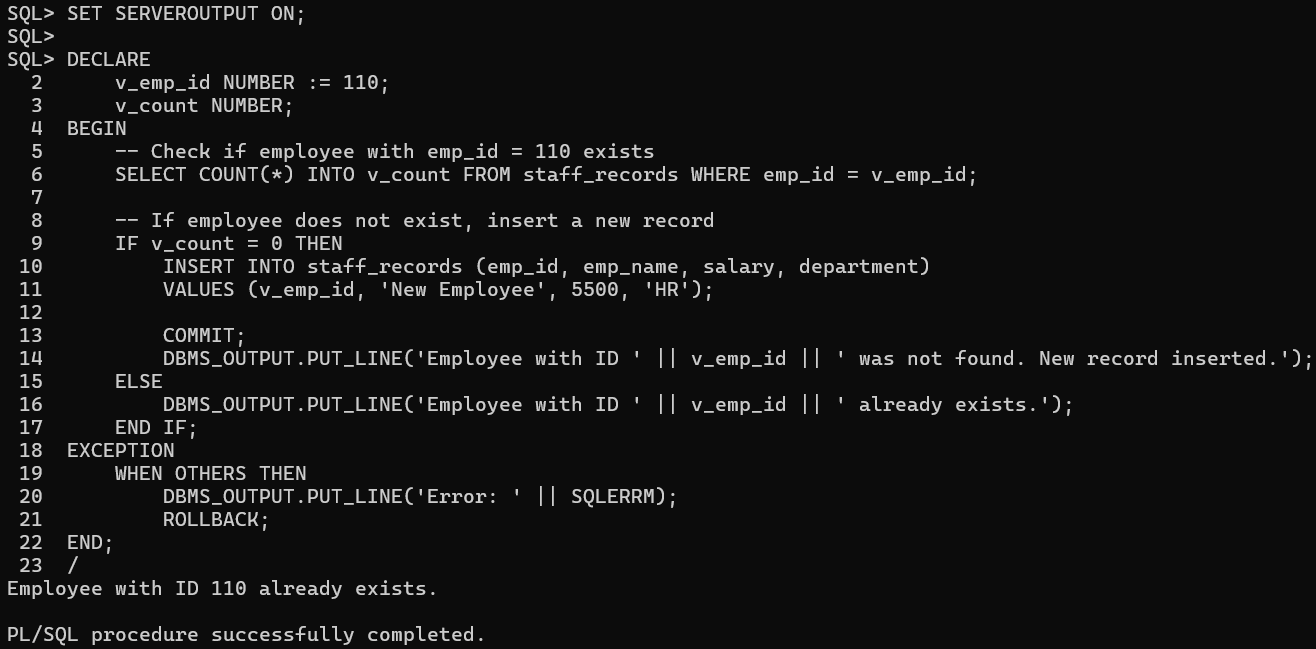
* **Above 8000 → "Senior Level"**
* **5000-8000 → "Mid Level"**
* **Below 5000 → "Junior Level"**

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**Task 9:** If an employee's department is **Sales**, increase their salary by **5%**.

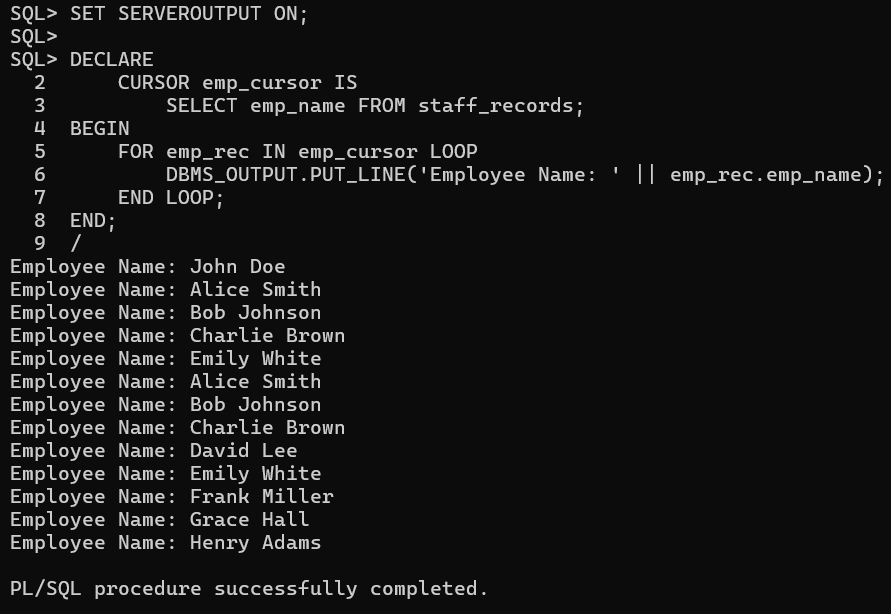


**Task 10:** Check if an employee with emp\_id = 110 exists. If not, insert a new record.

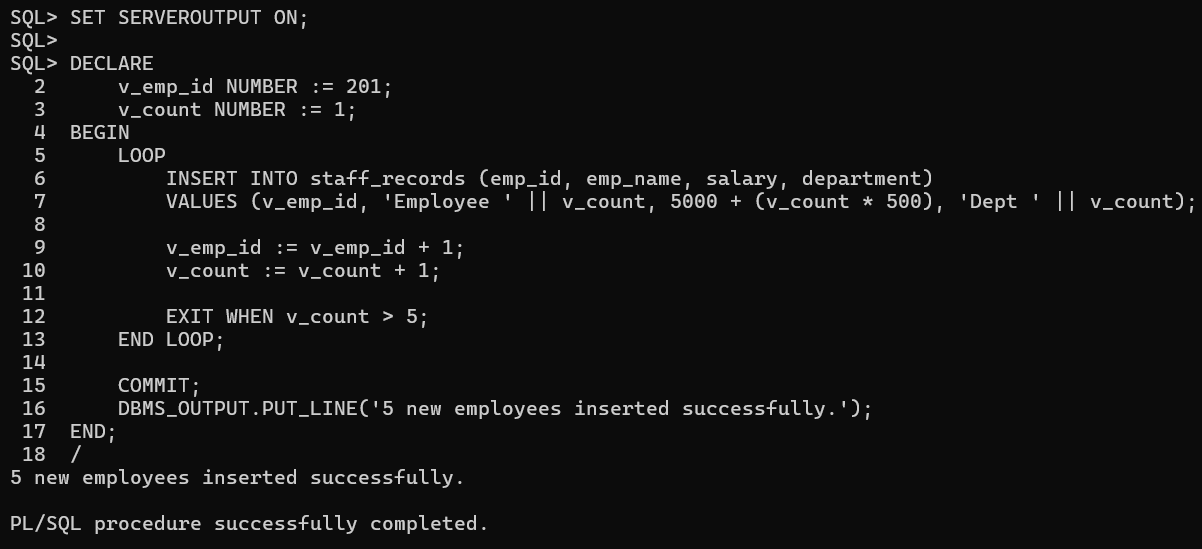


# Tasks on Loops with Database

**Task 11:** Use a **FOR LOOP** to print all employees' names from the employees table.

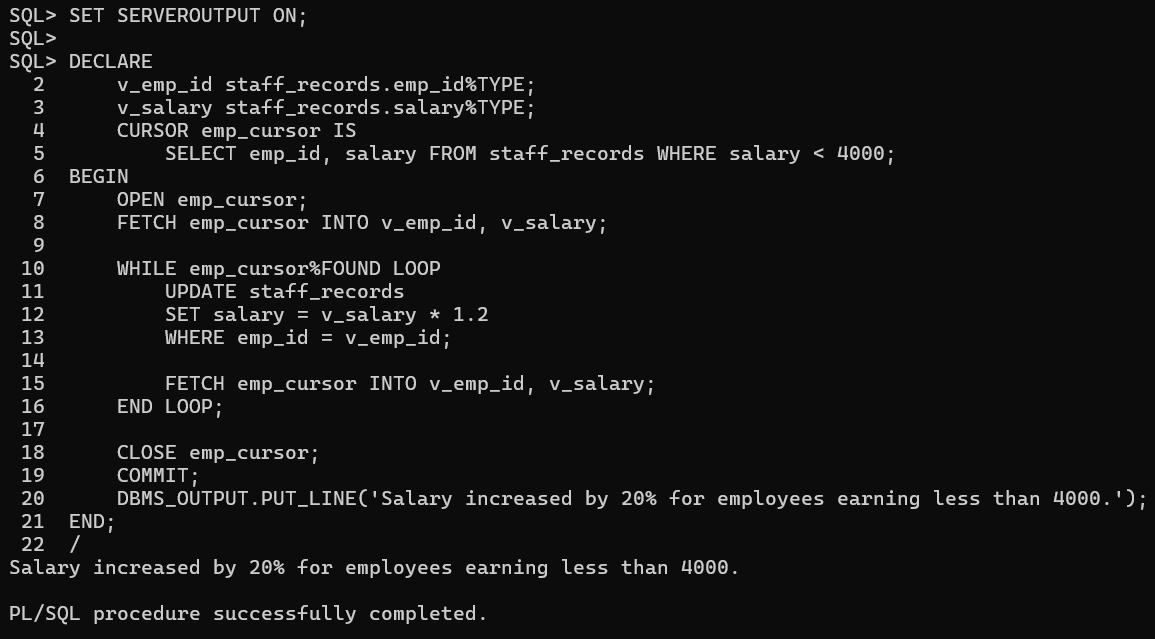


**Task 12:** Write a **LOOP** to insert **5 new employees** into the employees table.



**Task 13:** Use a **WHILE LOOP** to increase the salary of all employees earning less than **4000**

by **20%**.



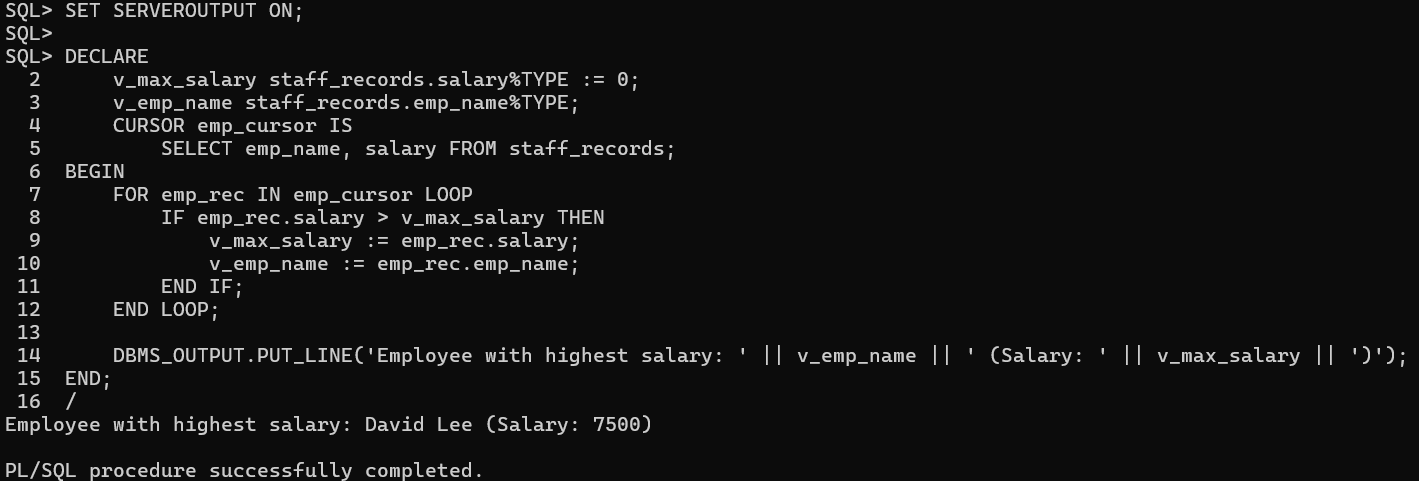
**Task 14:** Create a **FOR LOOP** that prints the first **3 departments** from the departments

table.

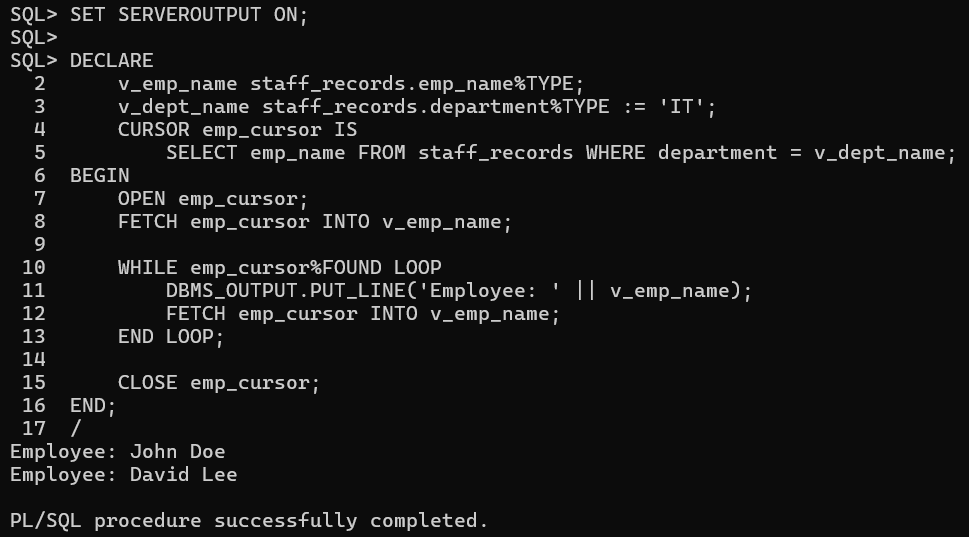


**Task 15:** Write a **LOOP** to delete employees who have not updated their records in the last **5 years** (assuming there's a last\_updated column).

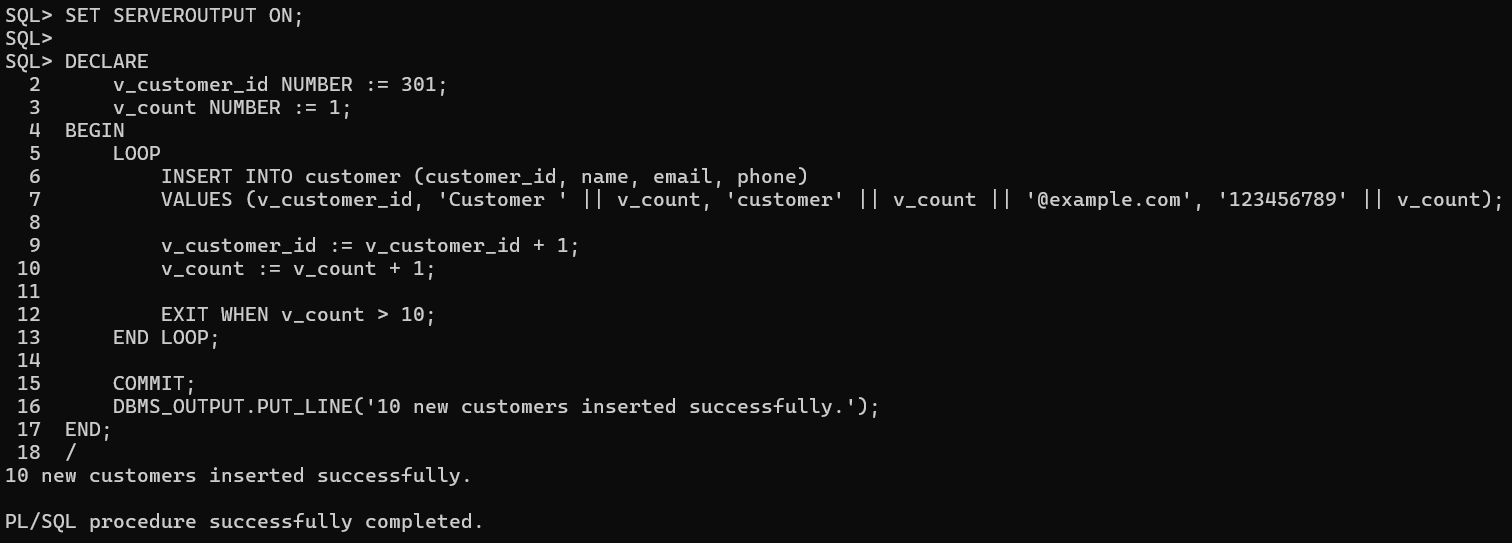


**Task 16:** Use a **LOOP** to find the employee with the highest salary in the employees table.****

**Task 17:** Fetch and display all employees in a specific department using a **WHILE LOOP**.

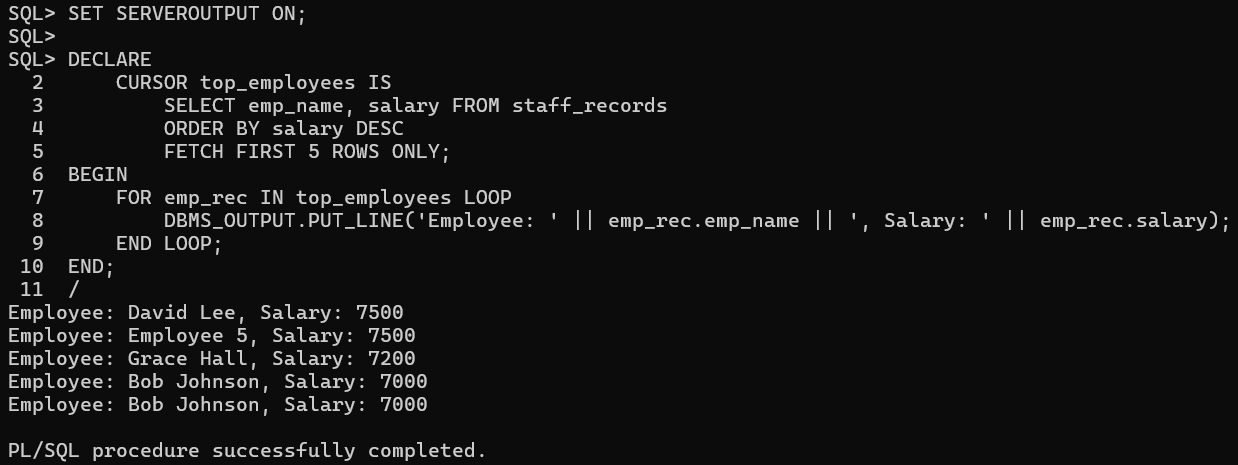
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**Task 18:** Write a **LOOP** to insert **10 new customers** into a customers table.



**Task 19:** Use a **FOR LOOP** to display the top **5 highest-paid employees** from the employees

table.



**Task 20:** Write a **LOOP** to find and delete duplicate employee records in the employees table.

