

## Practice Exercise: Implicit Cursor FOR Loops in PL/SQL

### Your Task

Create a **PL/SQL block** that generates a **formatted report** listing all job titles in the company, including:

- **Job Title**
- **Number of Employees**
- **Average Salary**

Use an **implicit cursor FOR loop** to process the data and display the results with **neatly aligned columns**.

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### Tips & Hints

- Use the **JOB\$** and **EMPLOYEE\$** tables in your query
- Apply aggregate functions in your **SELECT** statement:

- **COUNT()** to calculate the number of employees
  - **AVG()** to calculate the average salary
    - Remember:
  - Implicit cursor FOR loops automatically handle **opening**, **fetching**, and **closing** the cursor
    - Format the output using:
  - **RPAD()** for text alignment
  - **TO\_CHAR()** for numeric formatting
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### Before You Check the Solution

Learning is most effective when you **try first**.

- Don't worry if you get stuck — that's completely normal
- Break the problem into smaller pieces
- Discuss your approach with a study partner if possible

Those “Aha!” moments often come during the struggle.

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## When You’re Ready

After giving it your best effort:

- Download the solution to review your work
- Compare formatting and logic choices

Remember:

Every attempt you make strengthens your **PL/SQL skills**, even if the solution isn’t perfect the first time.

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 Ready to dive in and show those cursors who’s boss?  
Let’s code!

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## Resources for This Lecture

(Refer to the downloadable materials provided.)