**Question 3**

**PL/SQL Procedure and Scheduler Job**

**Write a PL/SQL procedure to summarize the total hours worked by each employee**

**Configure a Scheduler Job to automate this report weekly**

1. Created normalized tables with:

- EMPLOYEES (master table) with `EMP\_ID` as PRIMARY KEY

- EMPLOYEES\_WORKHOUR\_LOGS (transaction table) with:

FOREIGN KEY to enforce referential integrity

Indexes on frequently queried columns (EMP\_ID, CREATED\_DATE)

Added some dummy data for validating the PL/SQL procedure created below.

PL/SQL Procedure:

1. Implemented GENERATE\_WORK\_HOURS\_REPORT with:

- Cursor-based processing for efficiency

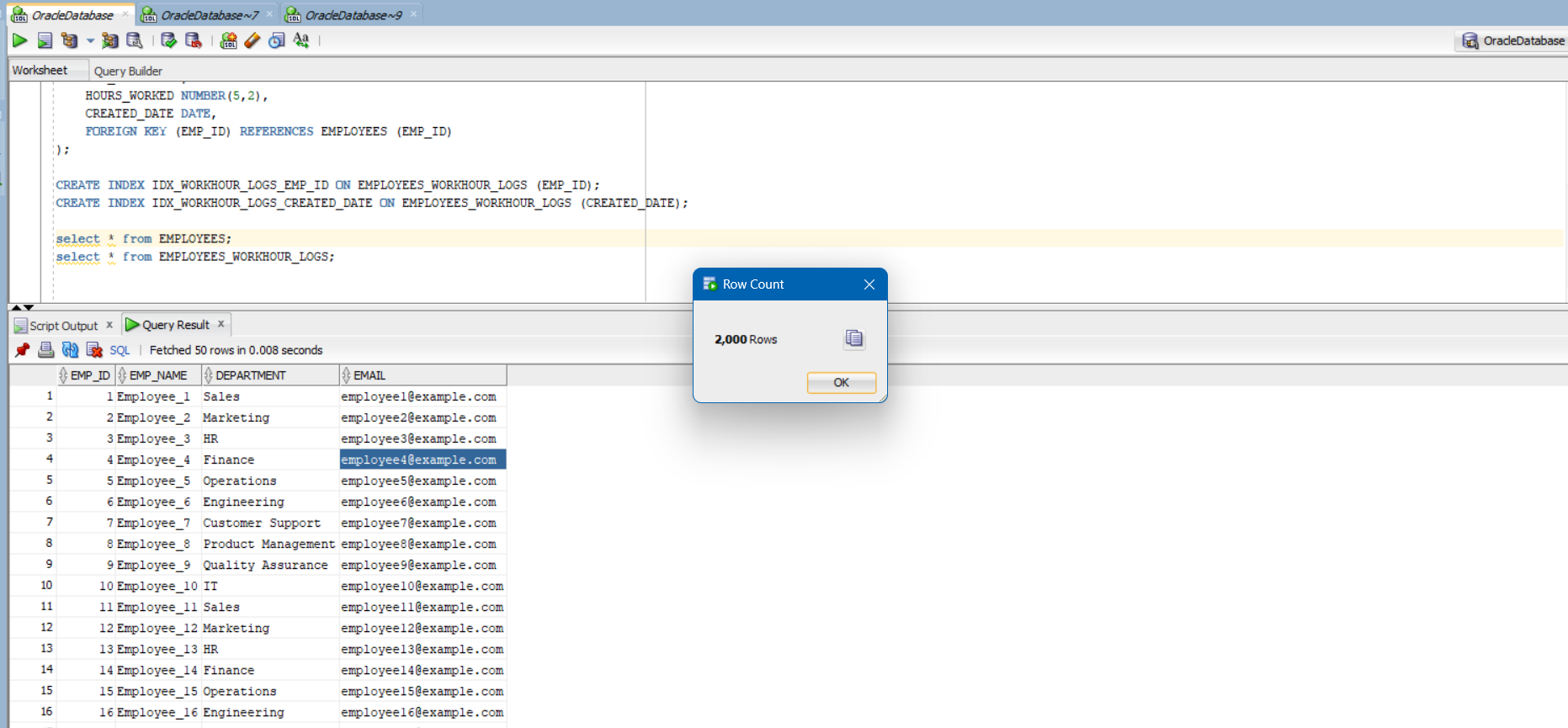
- DBMS\_OUTPUT for immediate results

Scheduler Job

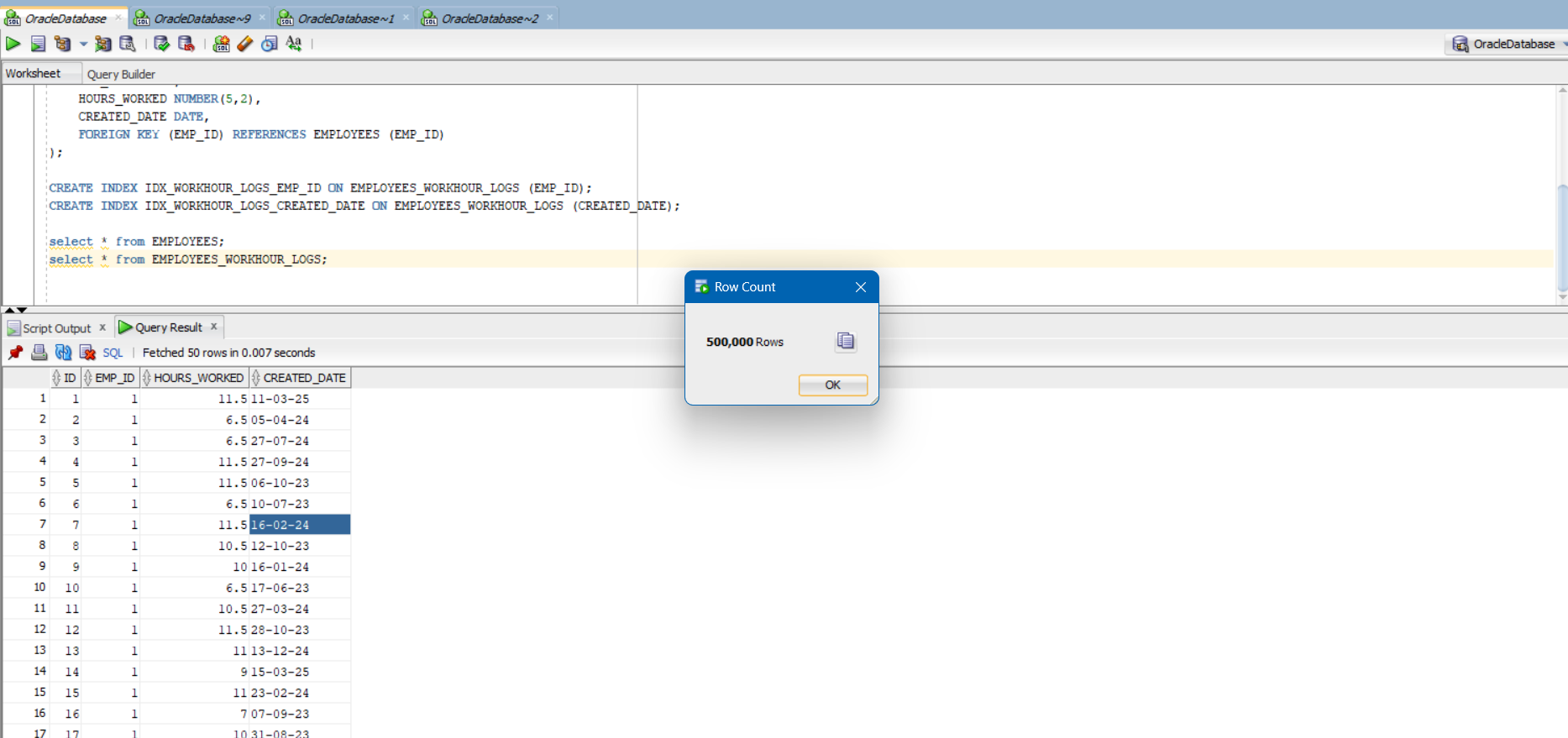
1. created scheduler job EMPLOYEE\_TOTAL\_HOURS\_WEEKLY\_REPORT\_JOB that runs at 8AM every Monday.

Evidences

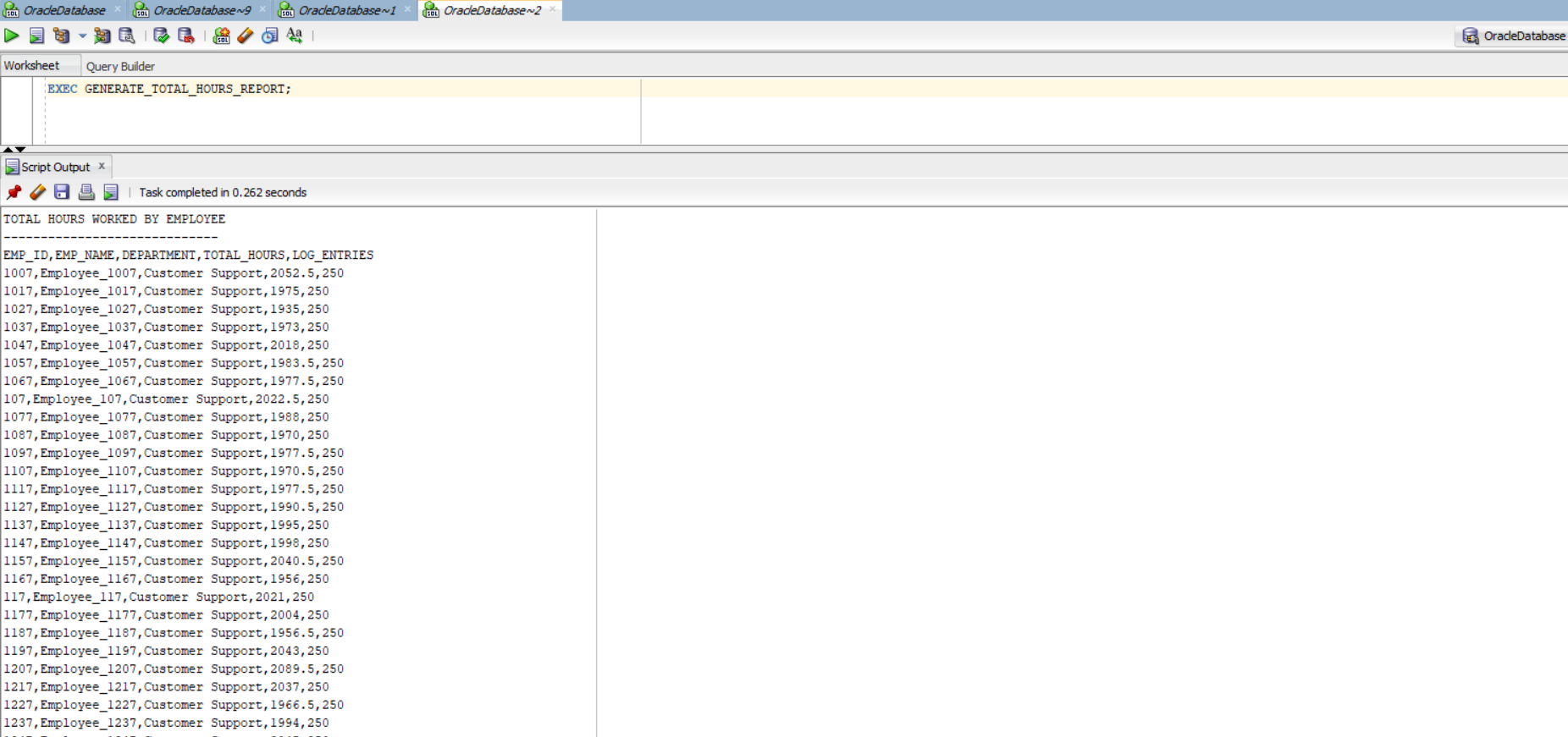
Employee details table



Added 250 entries for each employee containing the employee work hour details in the employees\_workhour\_logs table



PL/SQL procedure for total hours worked by each employee



Scheduled job that runs every Monday at 8AM

