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SAP ID: 53937

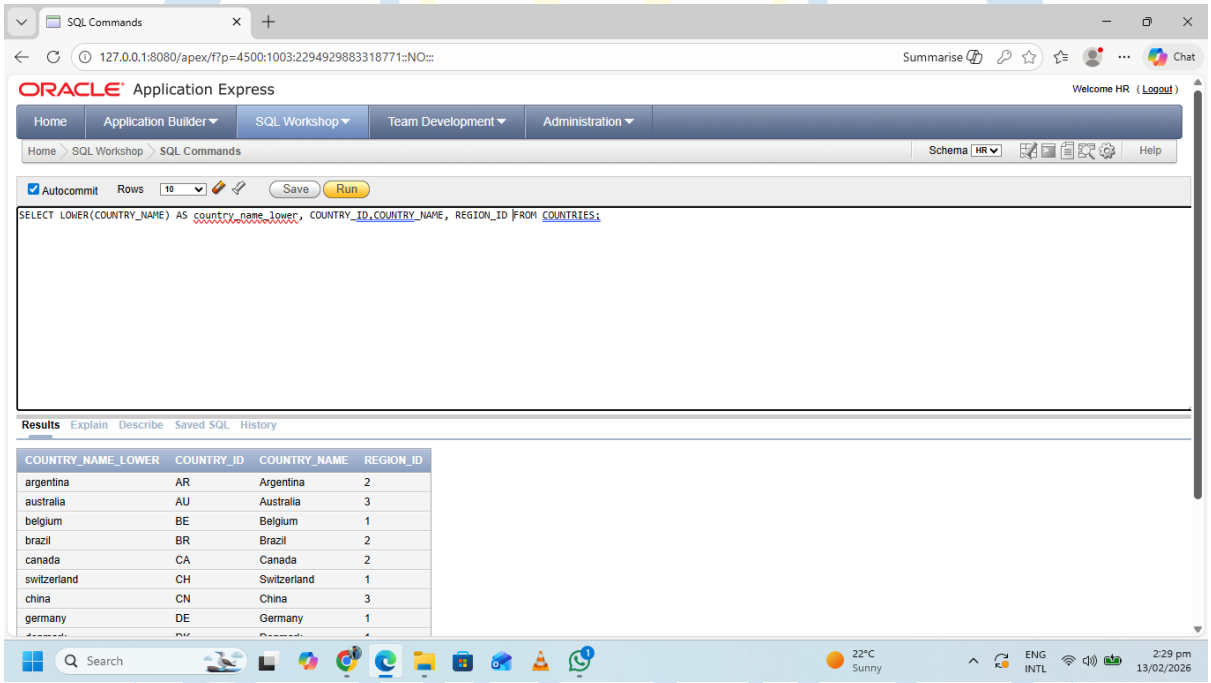
SECTION: BS DATA SCIENCE

LAB: DATABASE

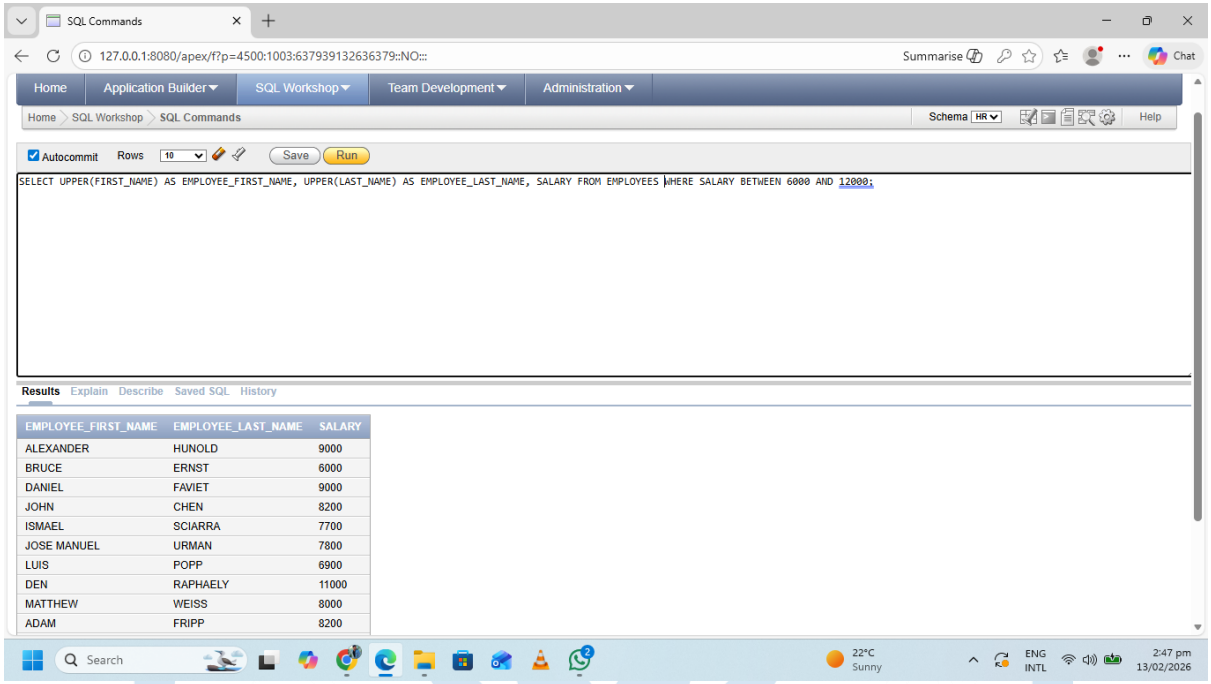
LAB 3

Q1: You are required to read the lab manual and implement all the queries mentioned in the manual.

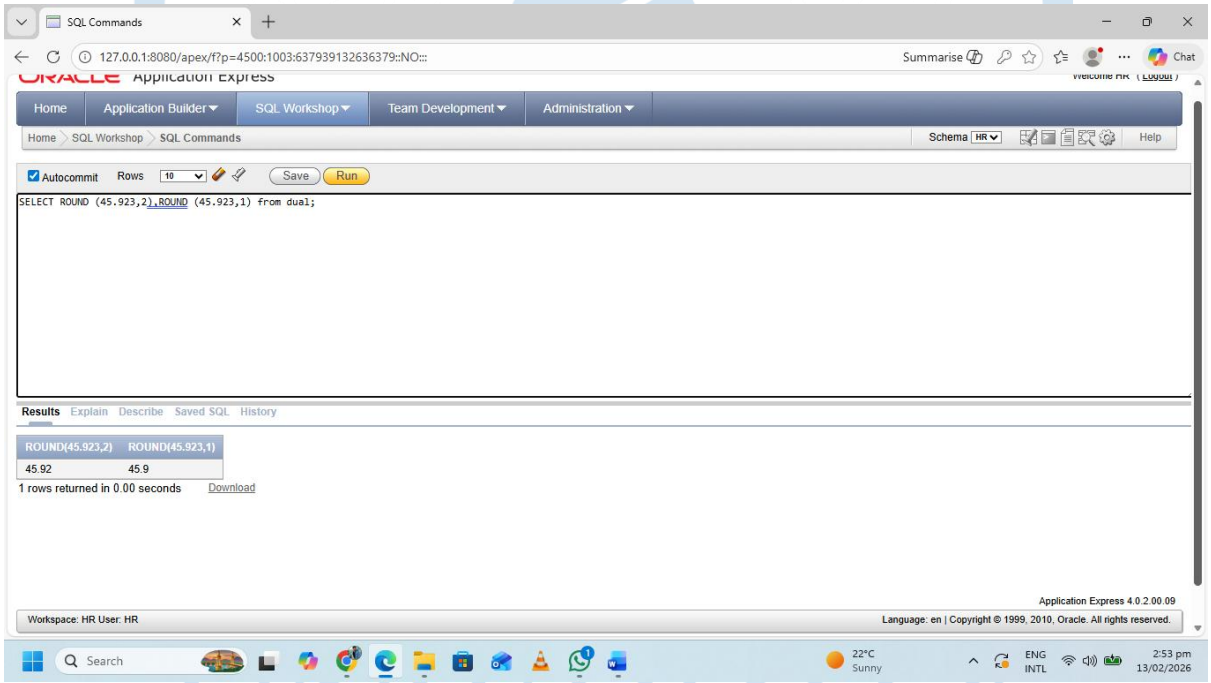
- This query retrieves all records from the COUNTRIES table, displaying the country name in lowercase alongside the original ID, name, and region columns.



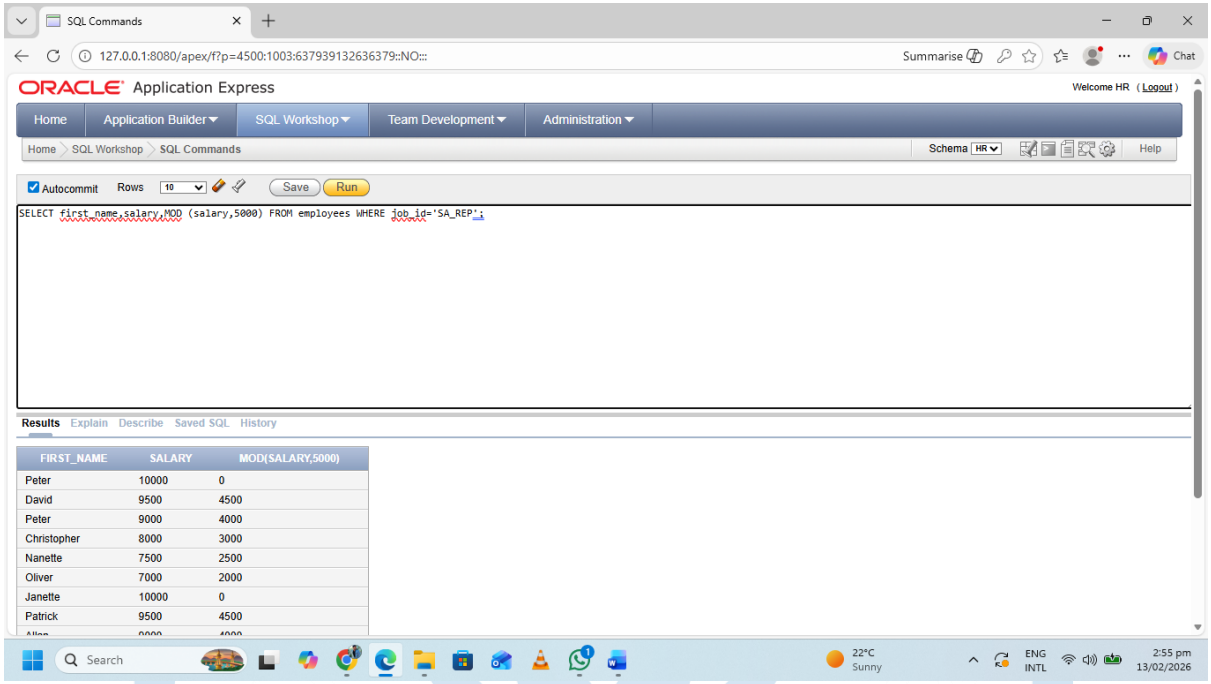
- The query selects all columns from the COUNTRIES table while creating an additional column that converts every country name into lowercase characters.



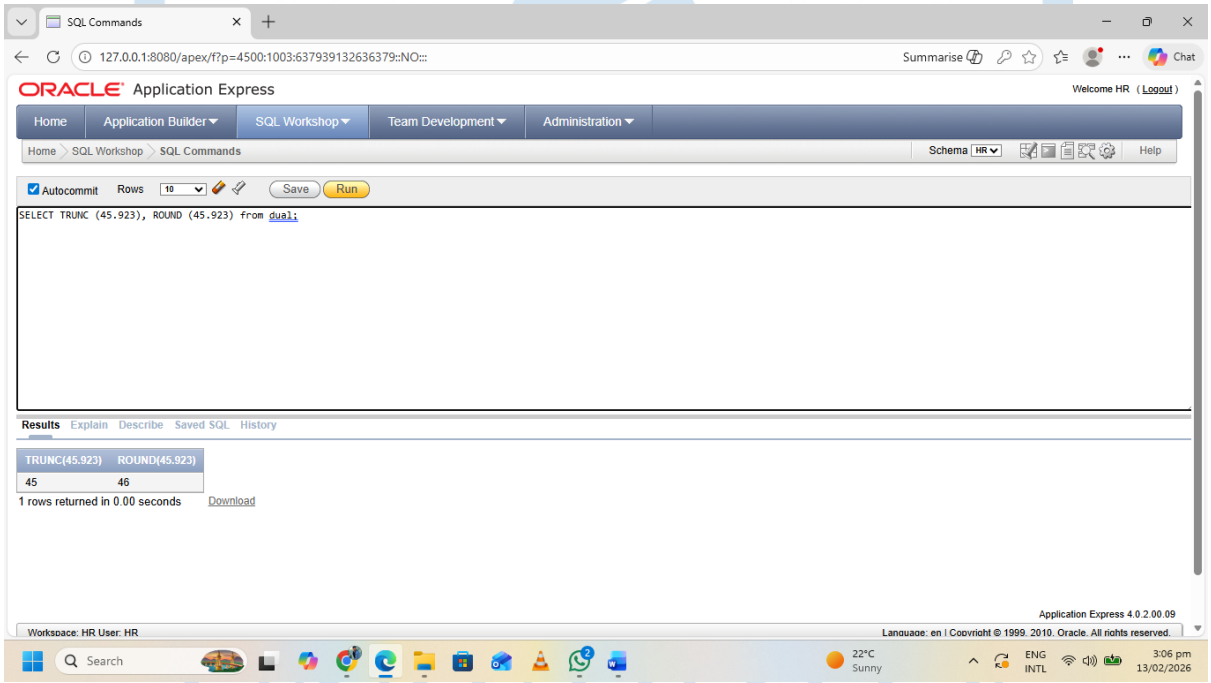
- The query displays country names in lowercase and lists all other column details from the countries table.



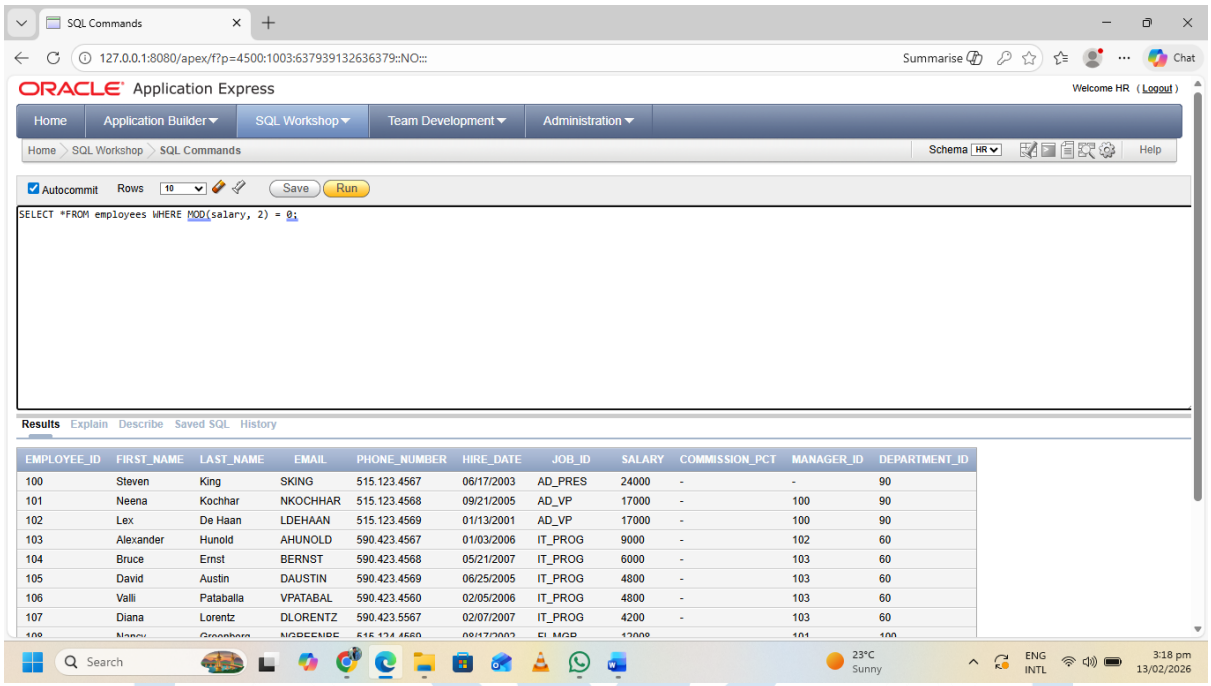
- The query calculates and displays the remainder (leftover amount) of each sales representative's salary after dividing it by 5,000.



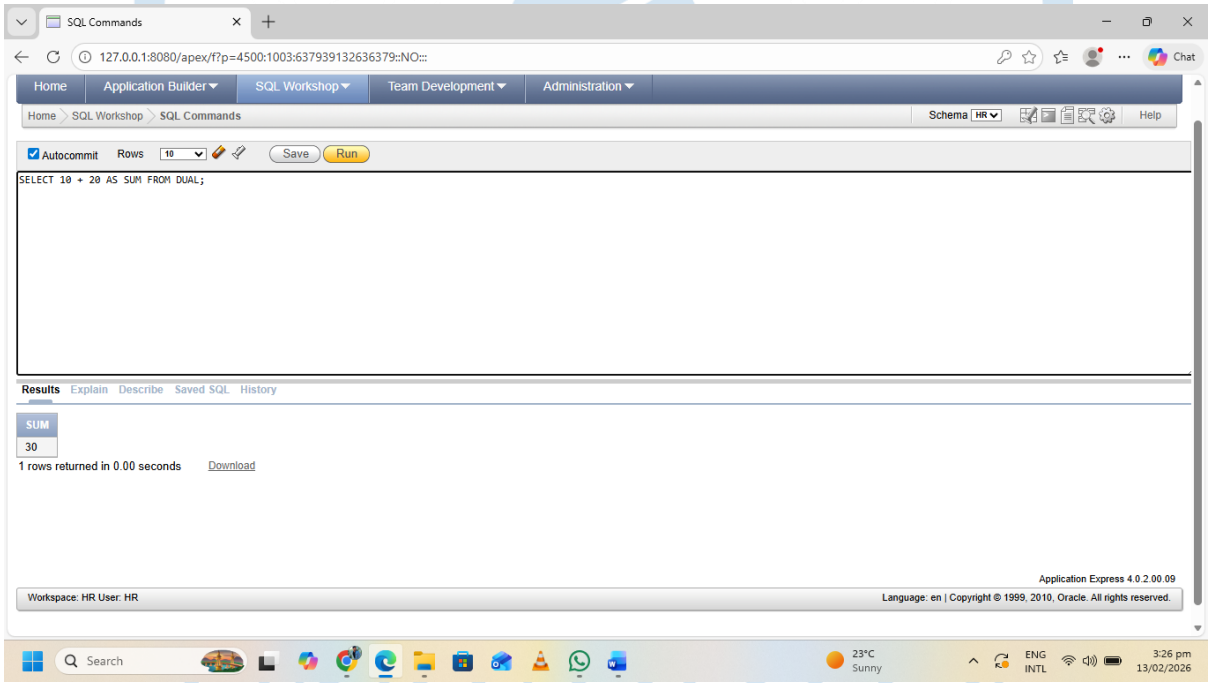
- This query calculates the remainder (leftover amount) of each sales representative's salary after it is divided by 5,000.



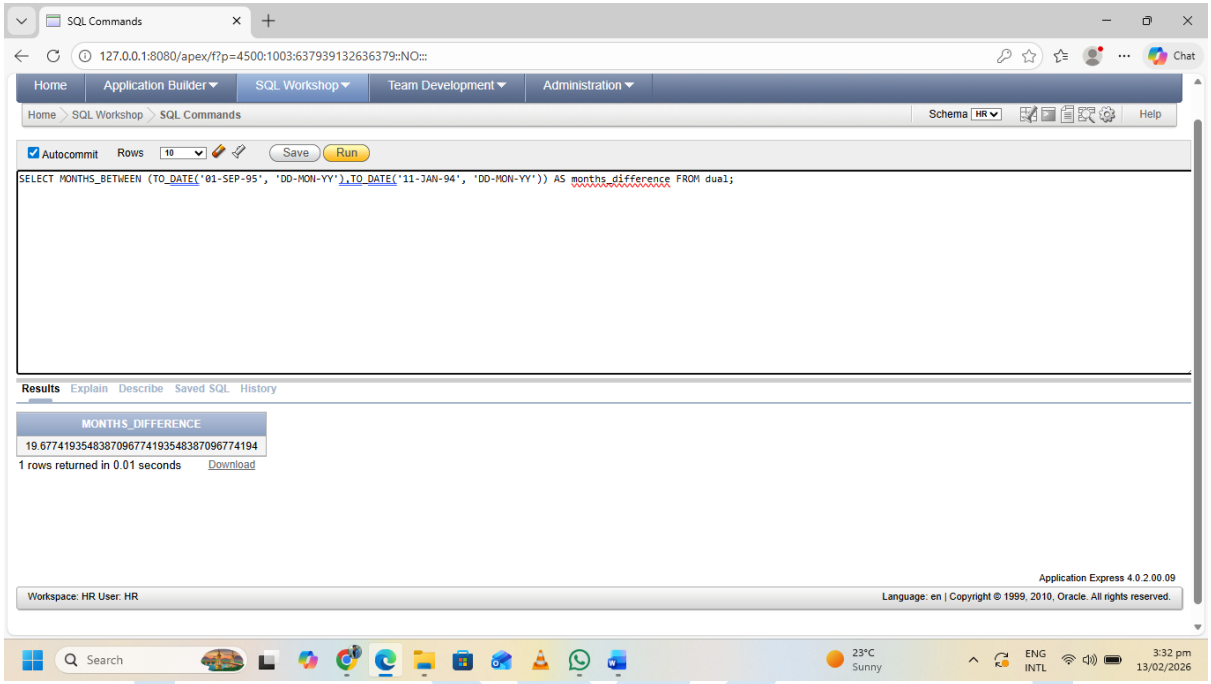
- The query displays all details for employees who have an even-numbered salary (where the salary is exactly divisible by 2).



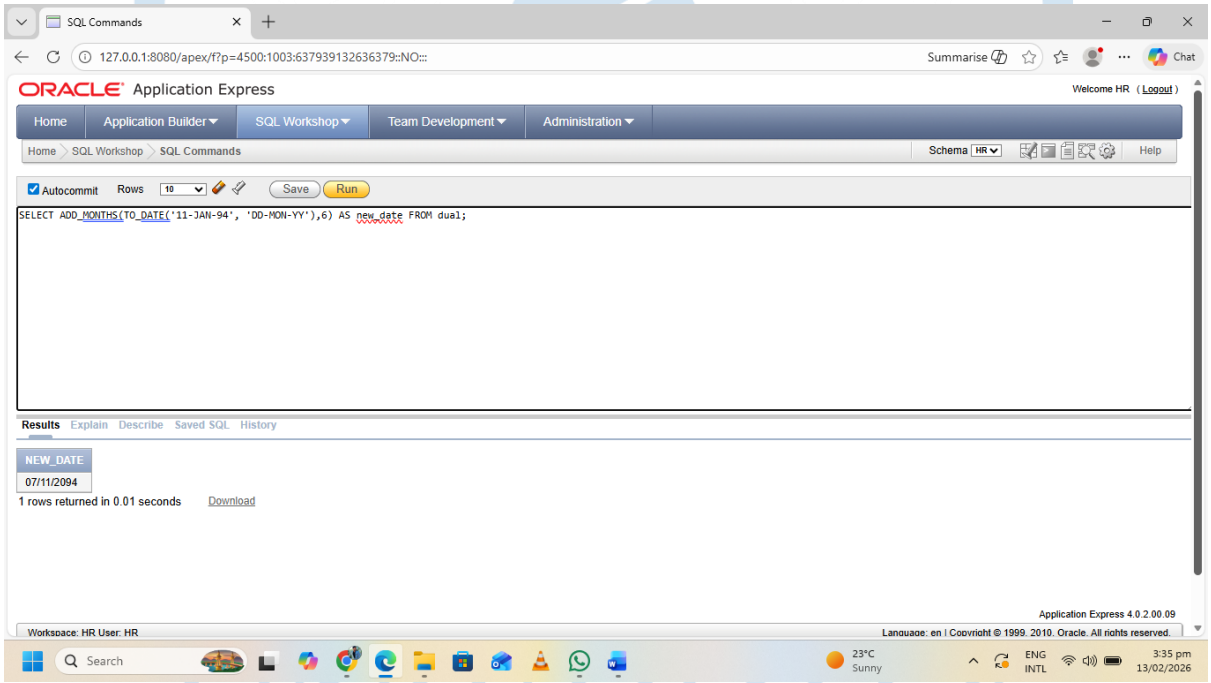
- The query adds the numbers 10 and 20 together and displays the result (30) under a column titled "SUM".



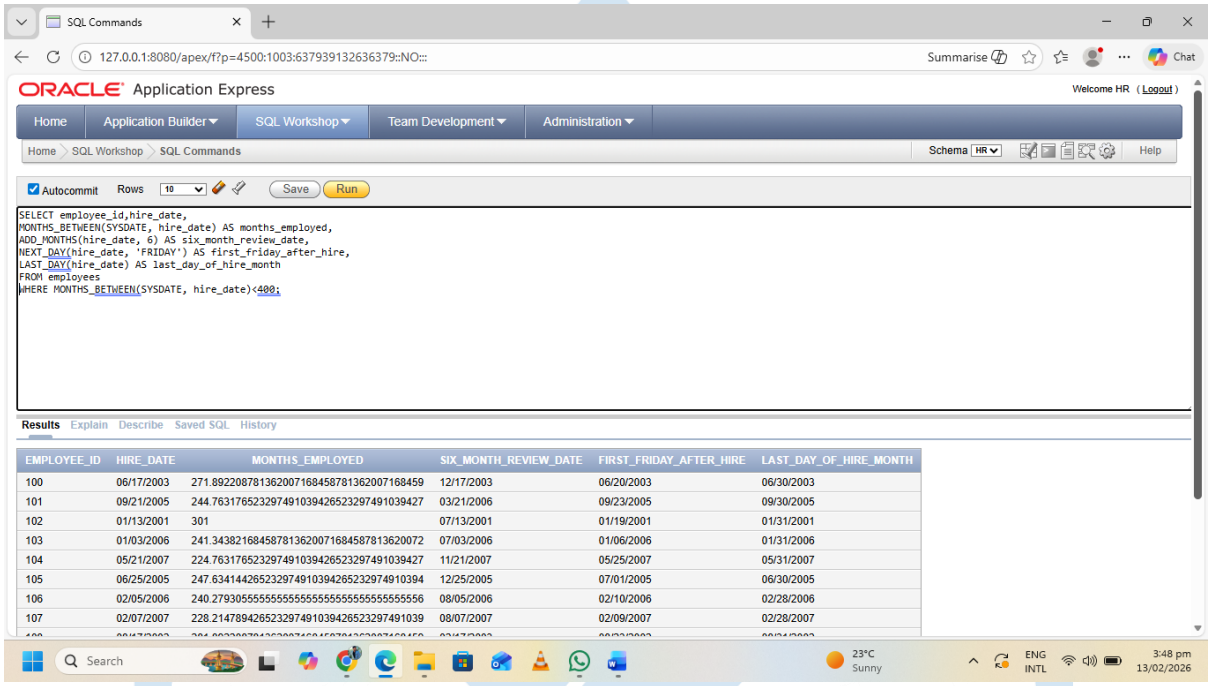
- This query calculates the exact number of months between two specific dates: September 1, 1995, and January 11, 1994.



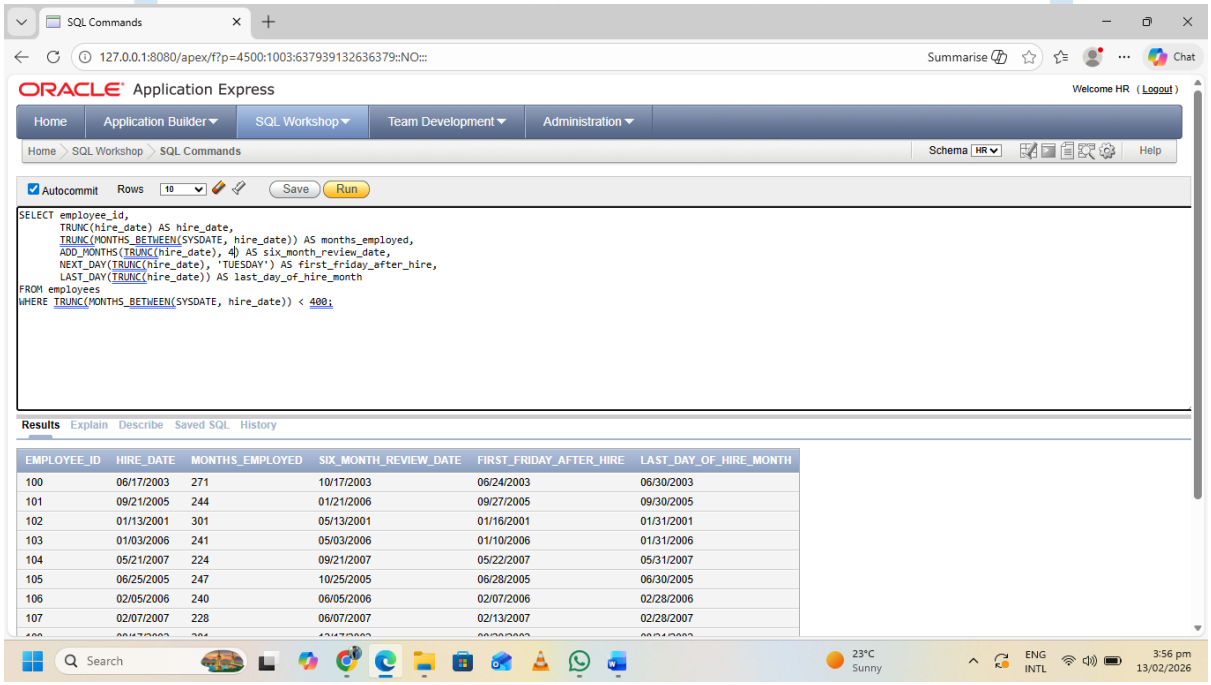
- This query calculates a new date by adding six months to the specific date of January 11, 1994.



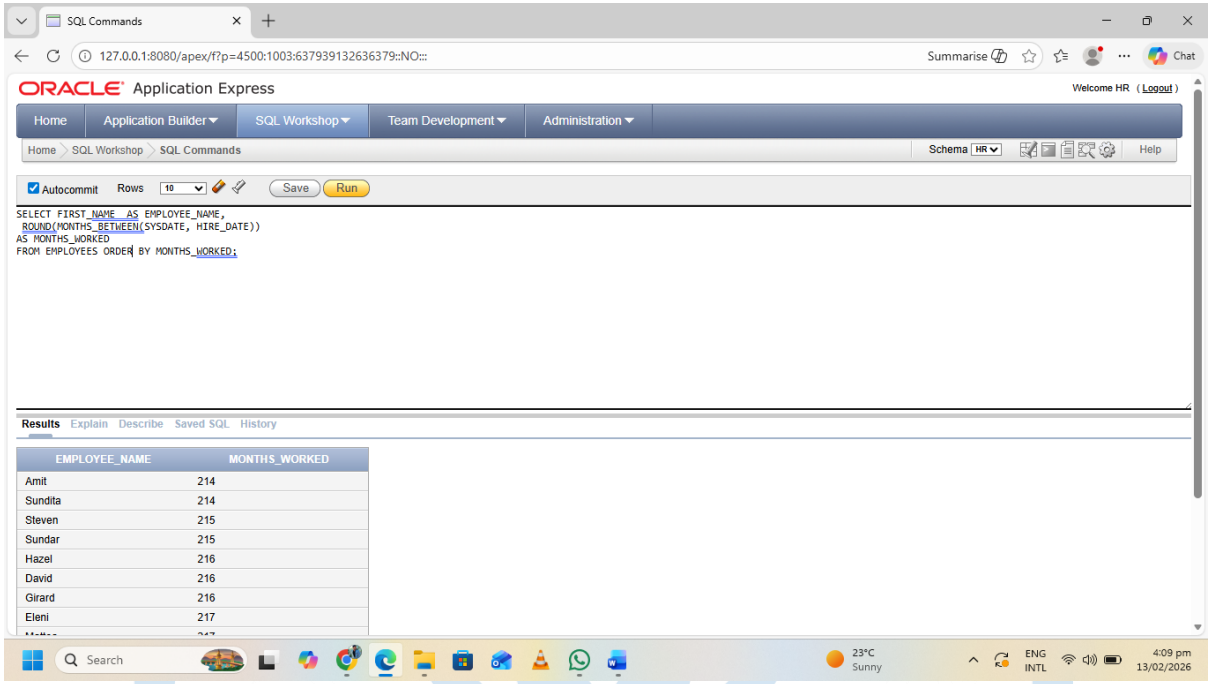
- This query calculates and shows important work dates for employees, like how many months they have worked, their 6-month review date, and their first Friday on the job.



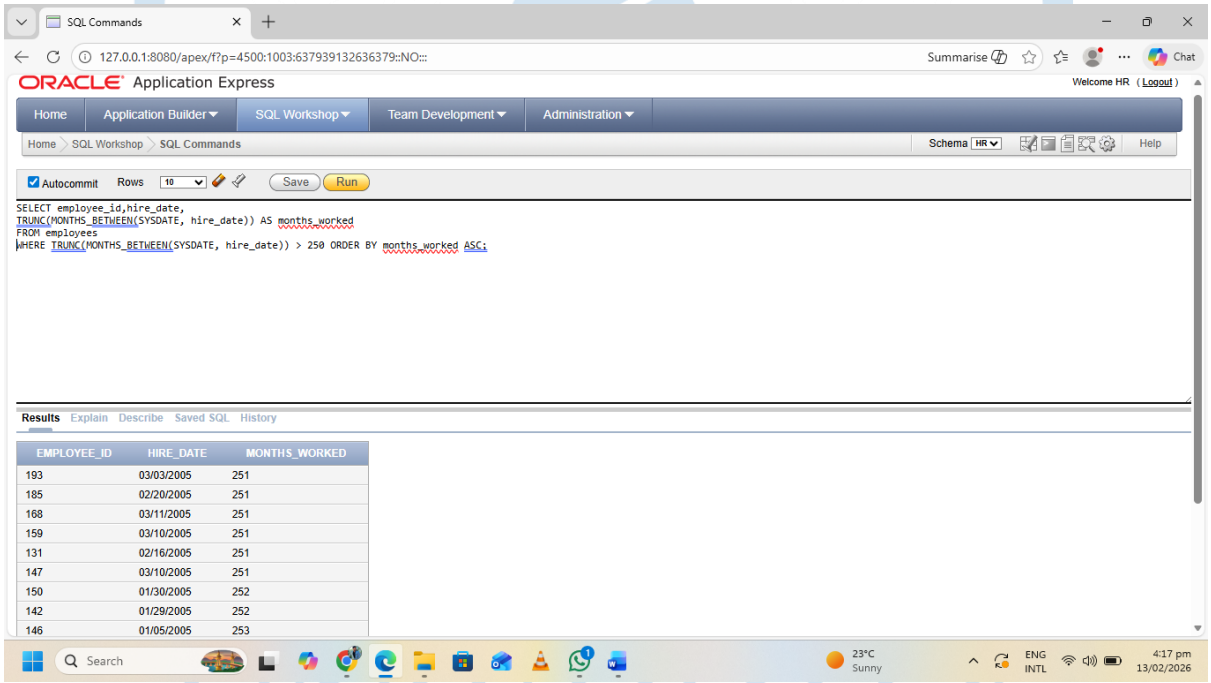
- This query calculates employee work milestones—like total months worked and review dates—but uses the TRUNC function to remove all decimal points for a cleaner, whole-number display.



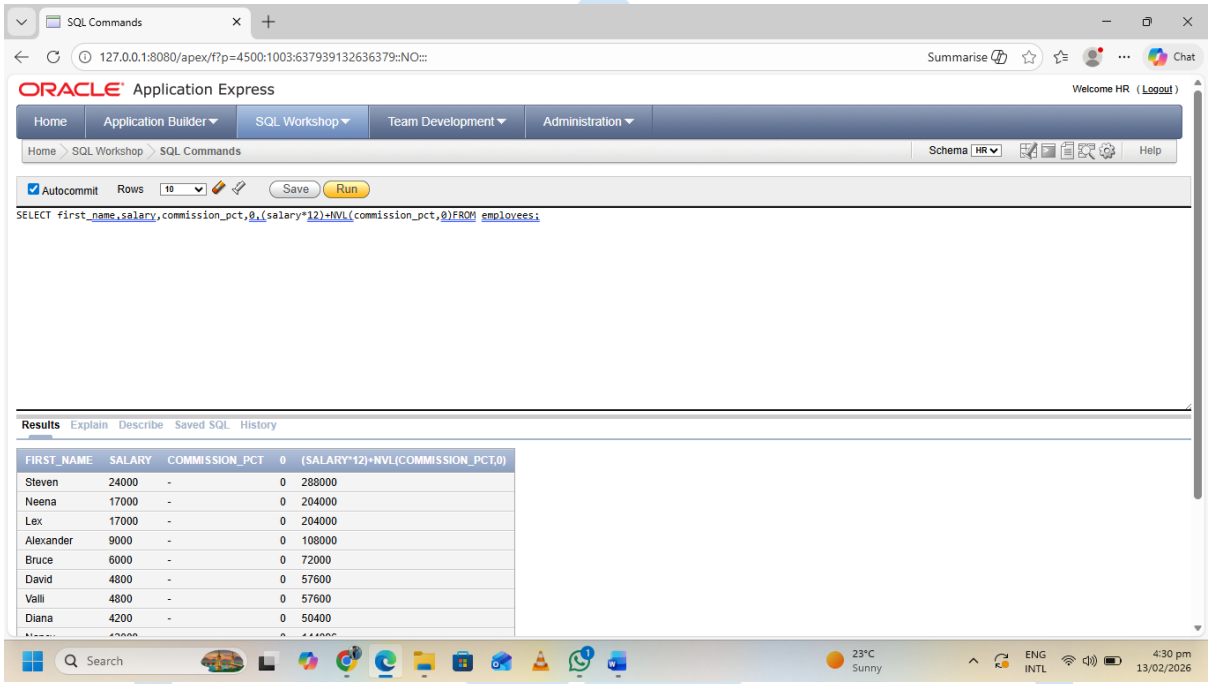
- This query lists employee names and their total months of service, rounded to the nearest whole number and sorted from least to most time worked.



- This query lists IDs and hire dates for employees who have worked more than 250 months, showing their total time served as a whole number.



- This query calculates an employee's total yearly income by multiplying their monthly salary by 12 and adding their commission, while treating missing commission values as zero.



LAB TASK QUERY:

Q2: Create a query that will display the employee name and commission amount. If the employee does not earn commission put 99 label the column commission_pct.

- This query calculates an employee's total yearly income by multiplying their salary by 12 and adding their commission, while automatically using 99 as the commission value if none is found.