Faculty of Technology and Engineering

Chandubhai S. Patel Institute of Technology (CSPIT)

Department of Computer Science & Engineering

Date: / /

Laboratory Manual

Academic Year	:	2024-25	Semester	:	4
Course code	:	CSE206	Course name	:	DATABASE MANAGEMENT SYSTEM

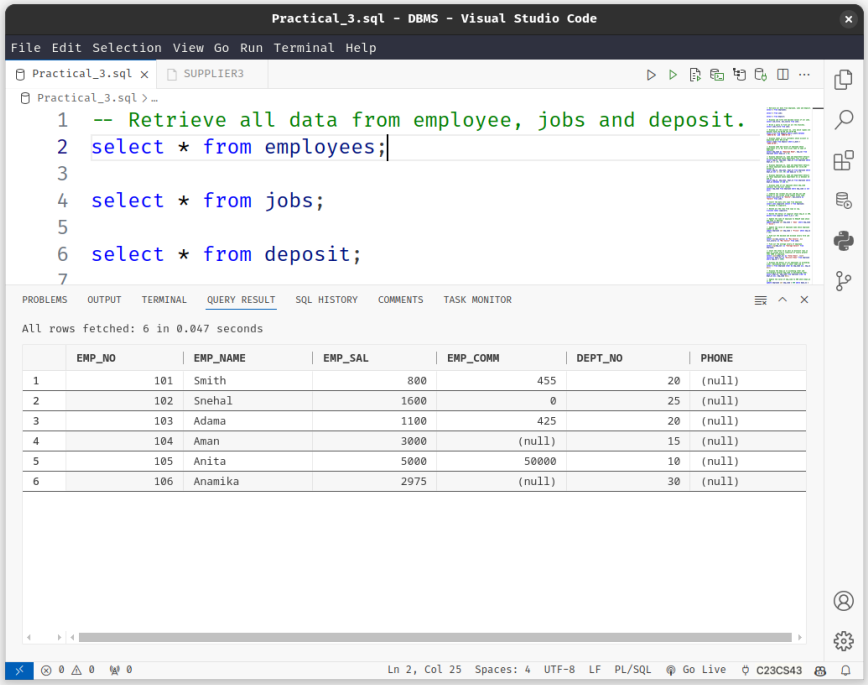
Practical - 3

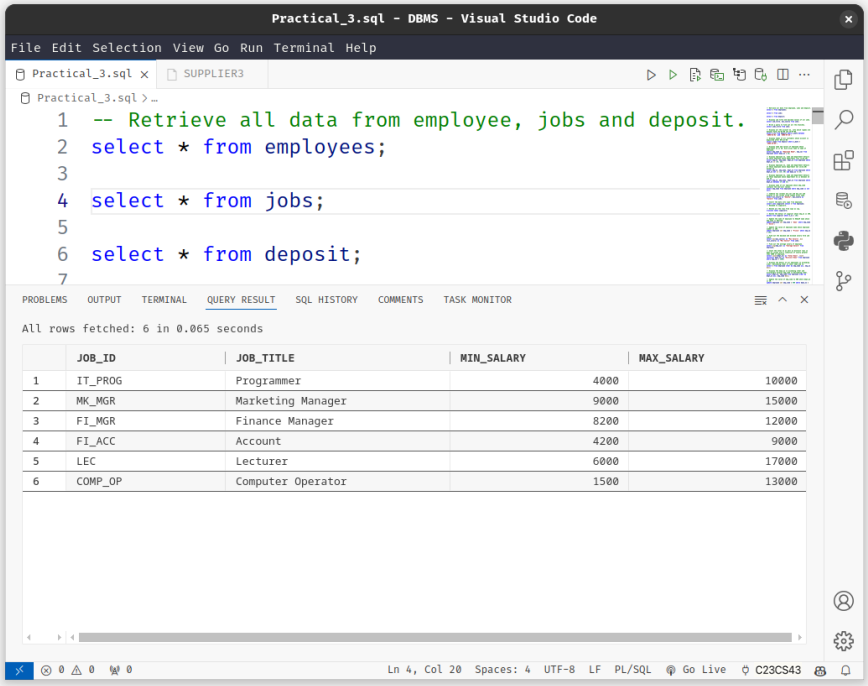
Aim: Global Trust Bank is expanding its operations and requires a robust database management system to efficiently manage its employees, job profiles, customers' accounts, and loan information. The bank has laid out specific requirements and constraints to ensure data integrity, uniqueness, and completeness. Perform Data Definition Language (DDL) commands and change the existing schema as per given information.

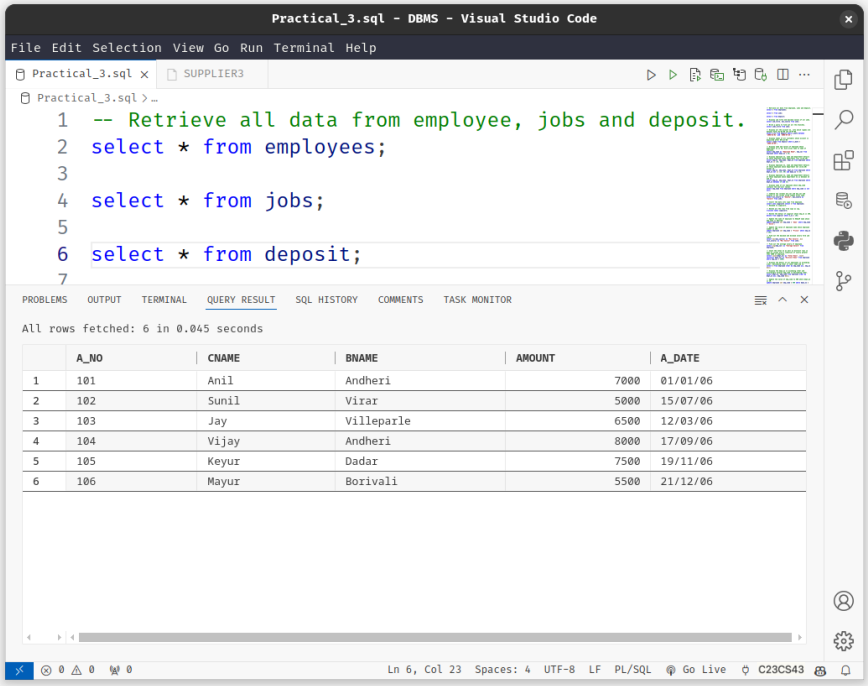
Constraints –

- Not Null Constraints: Ensure critical fields are not null.
- Unique Constraints: Ensure data integrity by limiting column values.
- Check Constraints: Ensure columns have unique values where required.

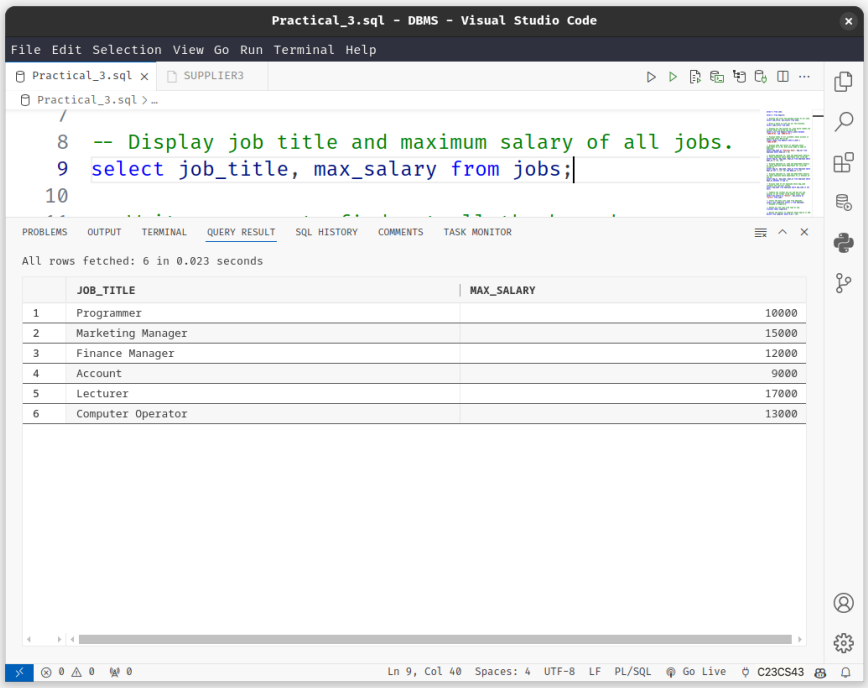
1. Retrieve all data from employees, jobs and deposit.



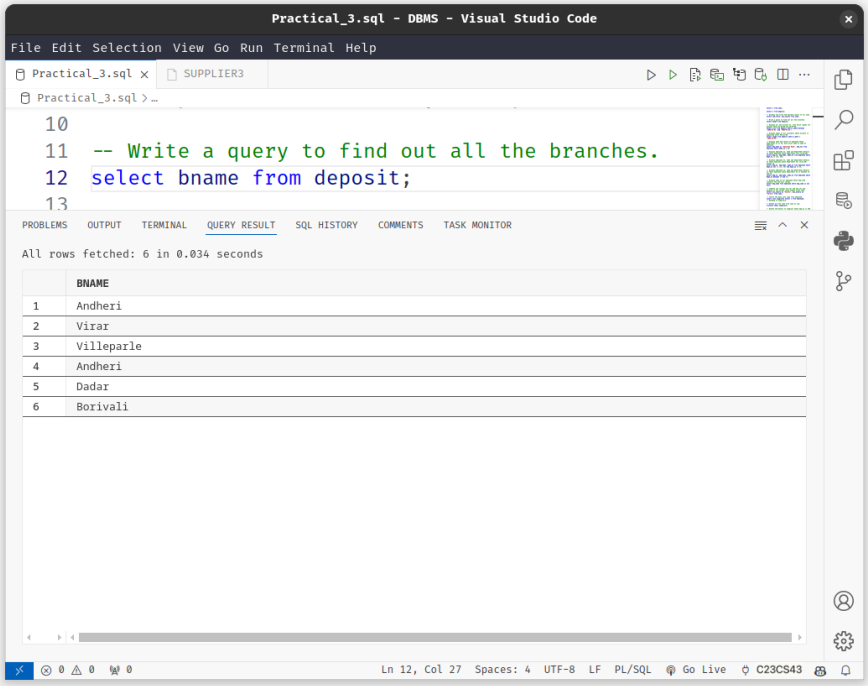




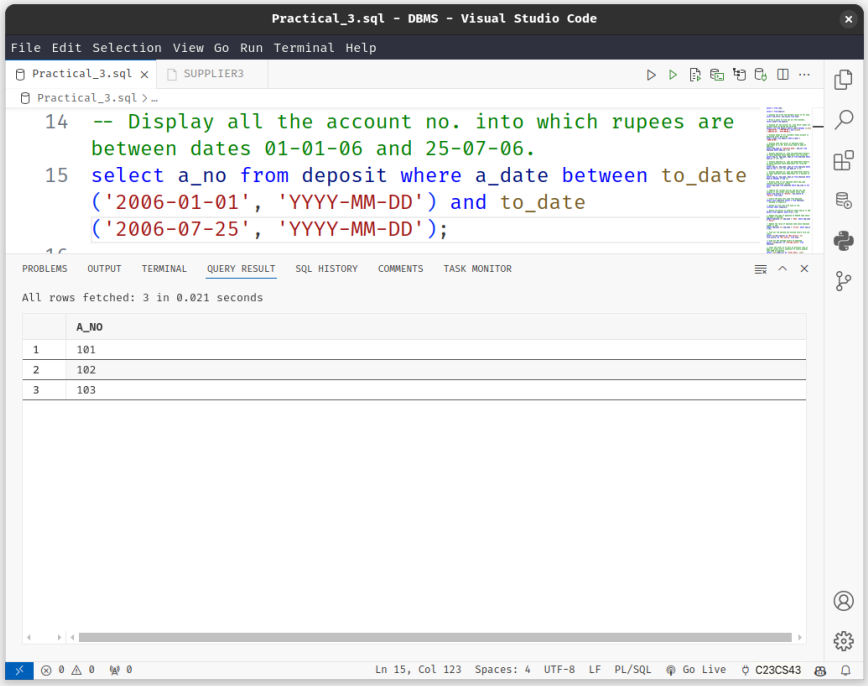
2. Display job title and maximum salary of all jobs.



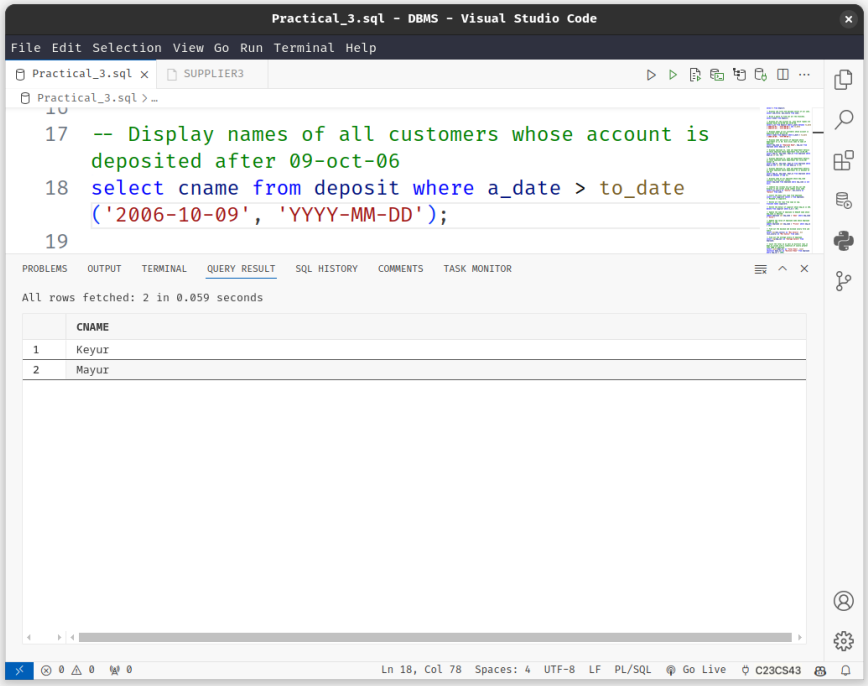
3. Write a query to find out all the branches.



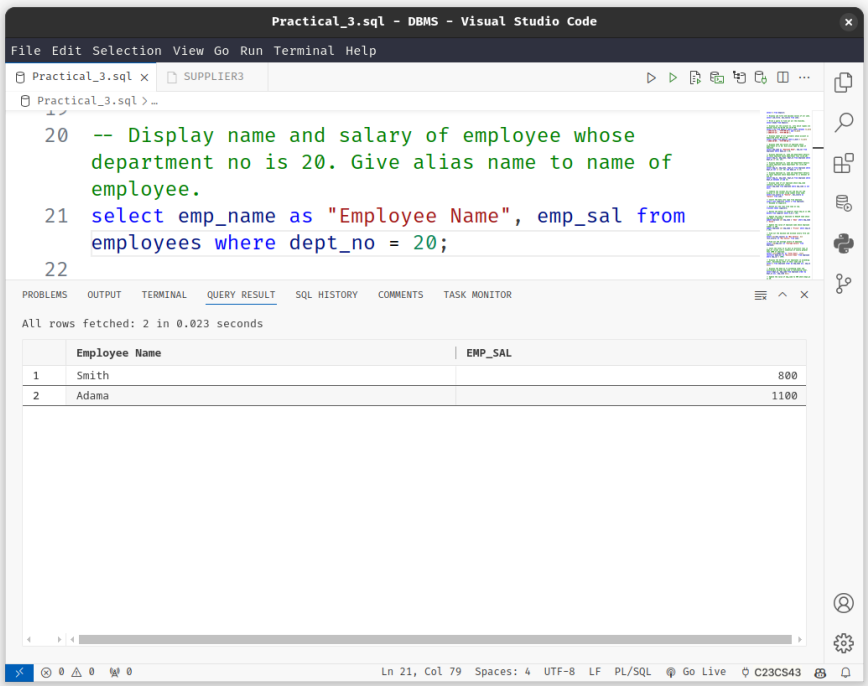
4. Display all the account numbers into which rupees are between dates 01-01-06 and 25-07-06.



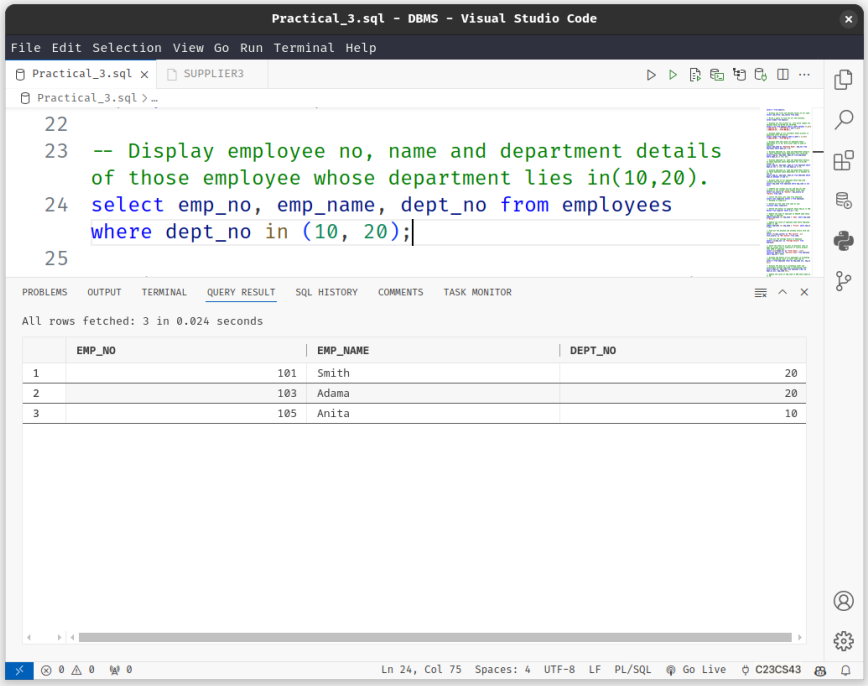
5. Display names of all customers whose account is deposited after 09-oct-06.



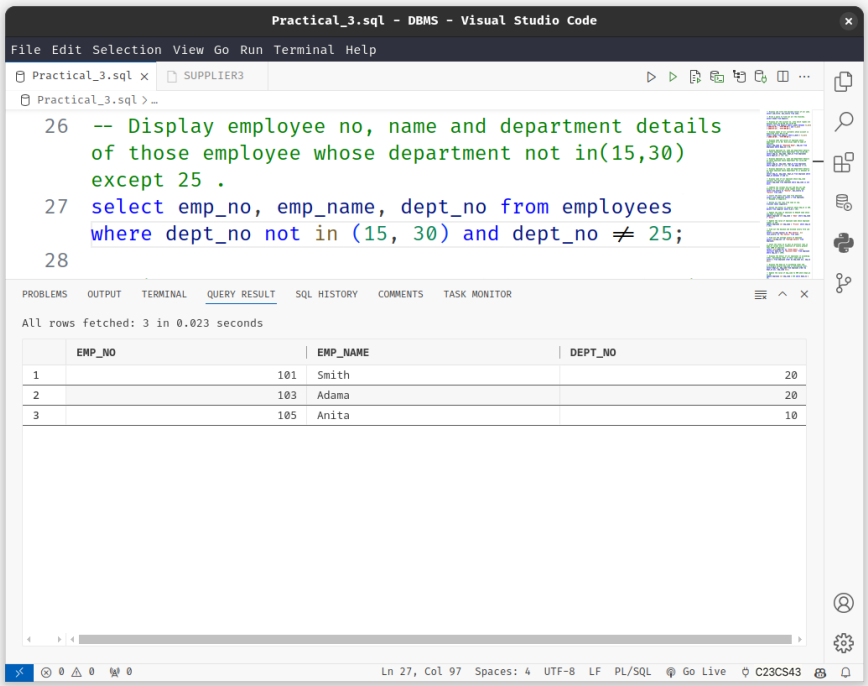
6. Display name and salary of employee whose department number is 20. Give alias name to name of employee.



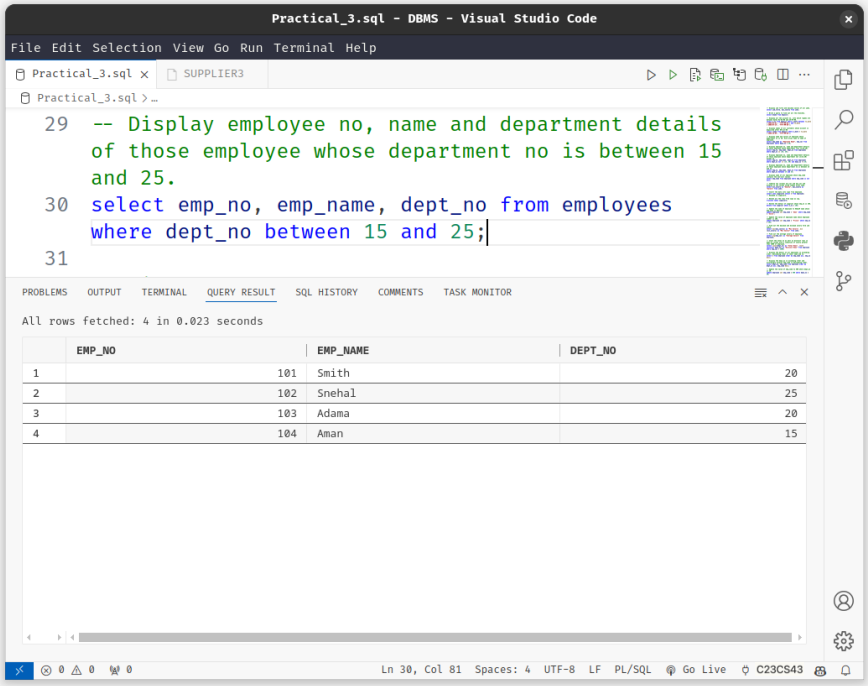
7. Display employee no, name and department details of those employees whose department lies in(10,20).



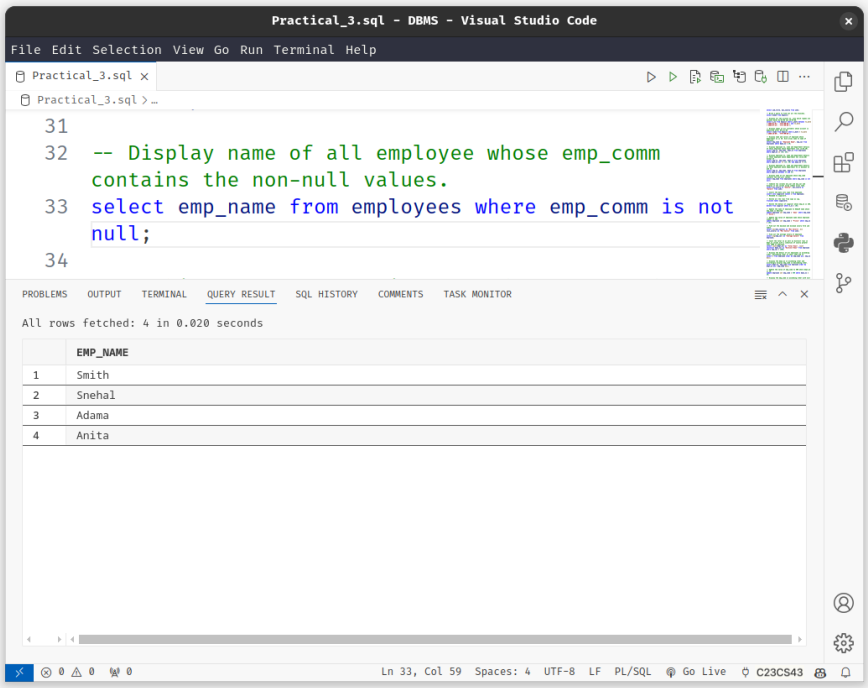
8. Display employee no, name and department details of those employees whose department not in(15,30) except 25 .



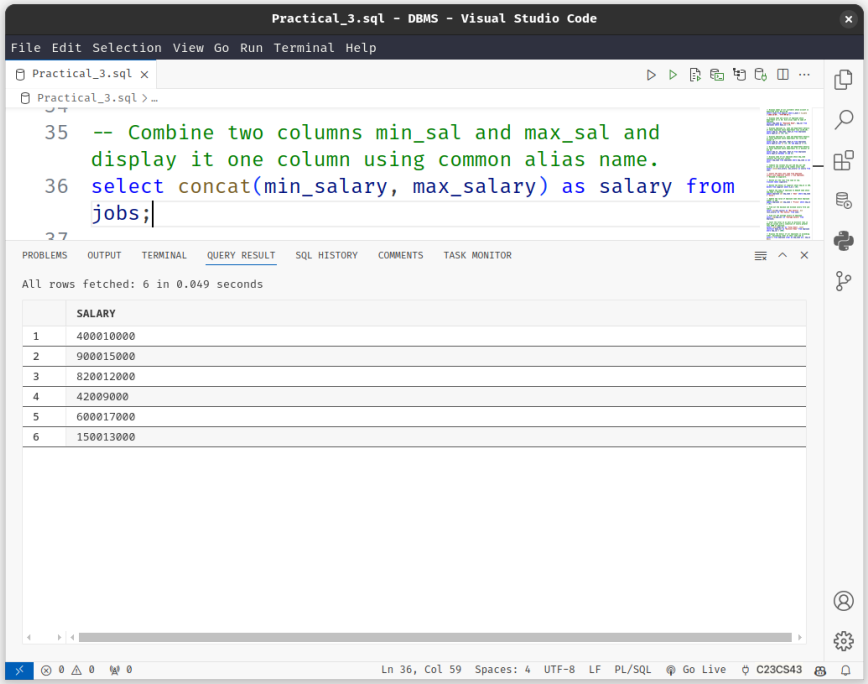
9. Display employee no, name and department details of those employees whose department no is between 15 and 25.



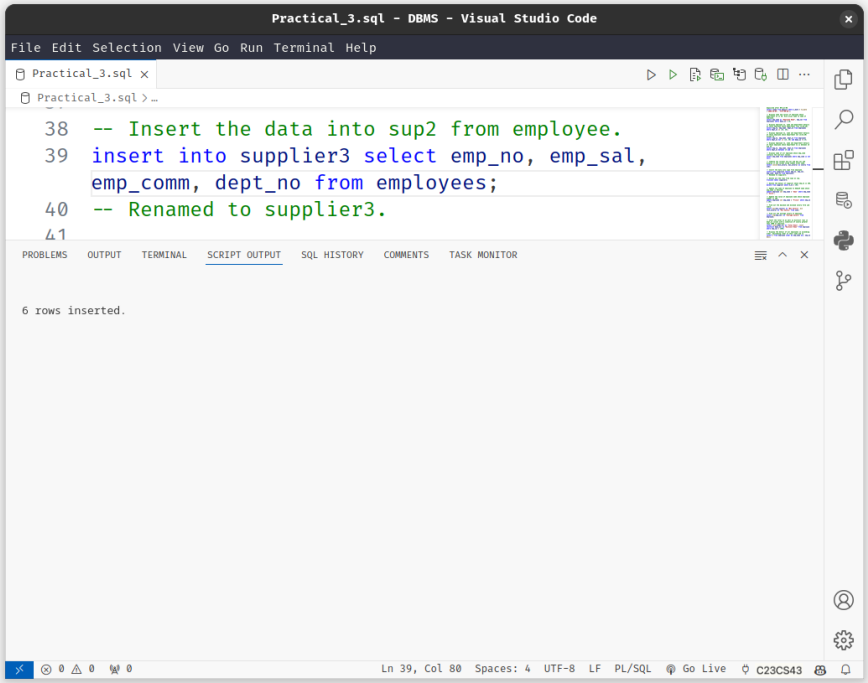
10. Display name of all employees whose emp_comm contains the non-null values.



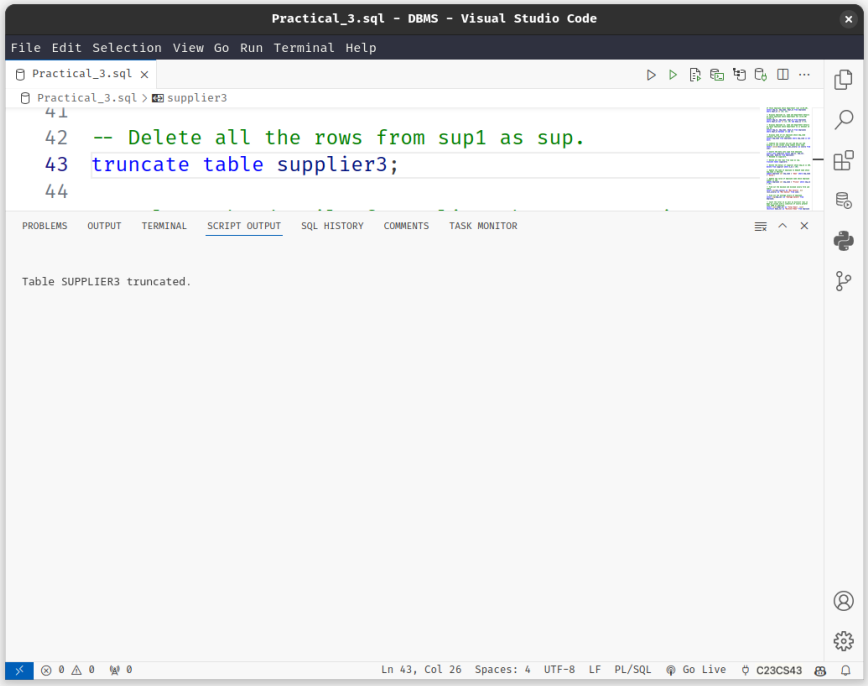
11. Combine two columns min_sal and max_sal and display it one column using a common alias name.



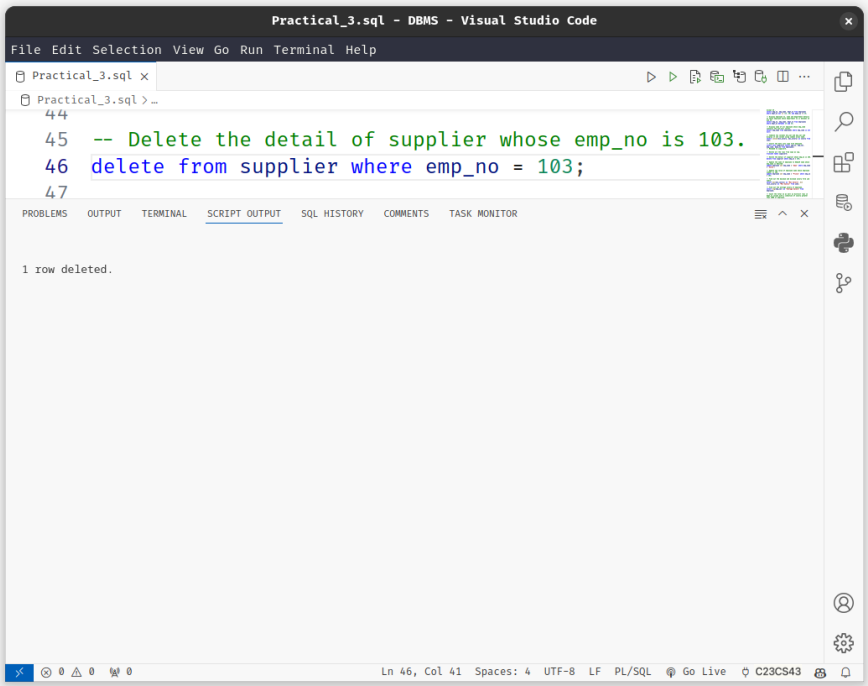
12. Insert the data into sup2 from the employee.



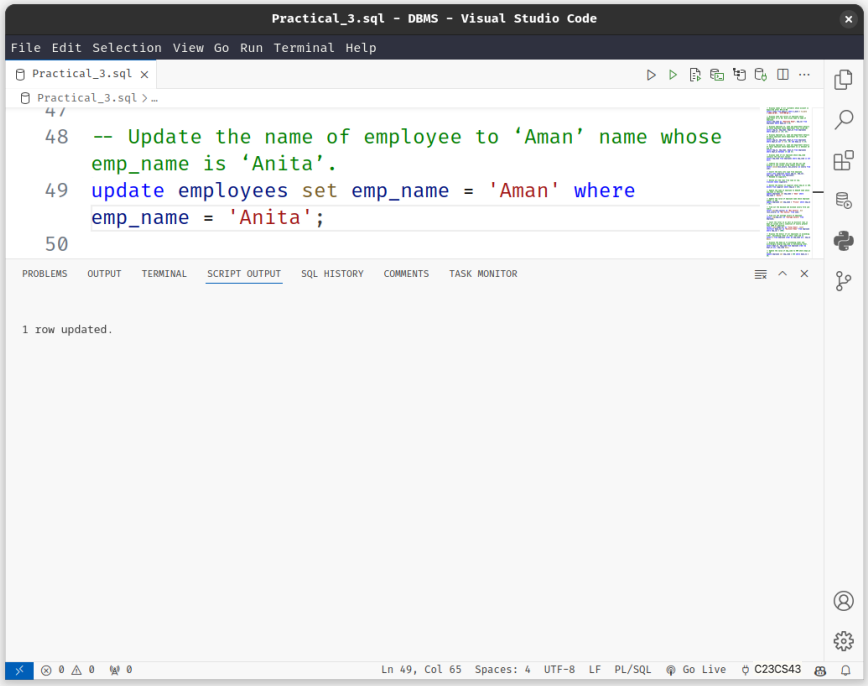
13. Delete all the rows from sup1 as sup.



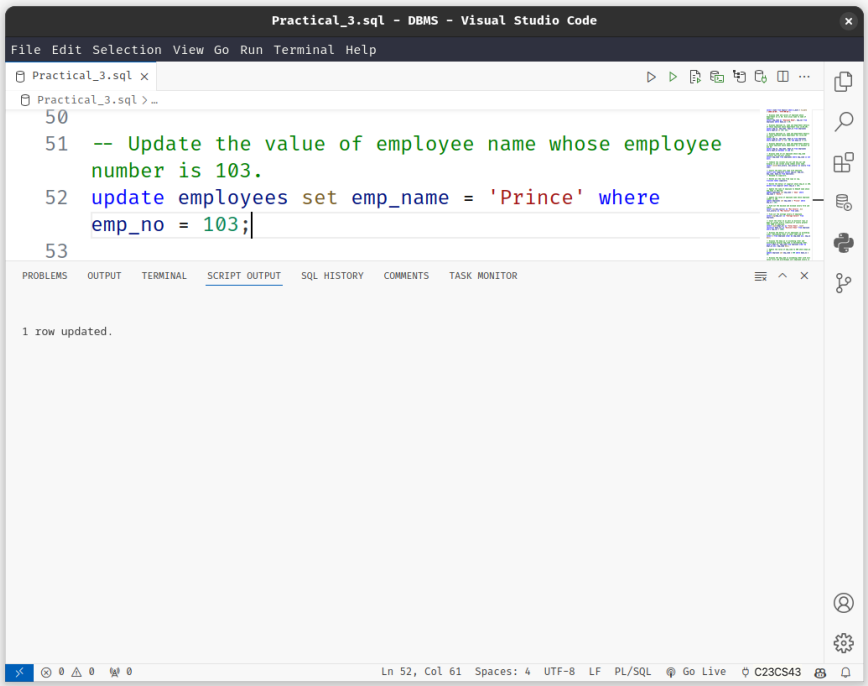
14. Delete the details of the supplier whose emp_no is 103.



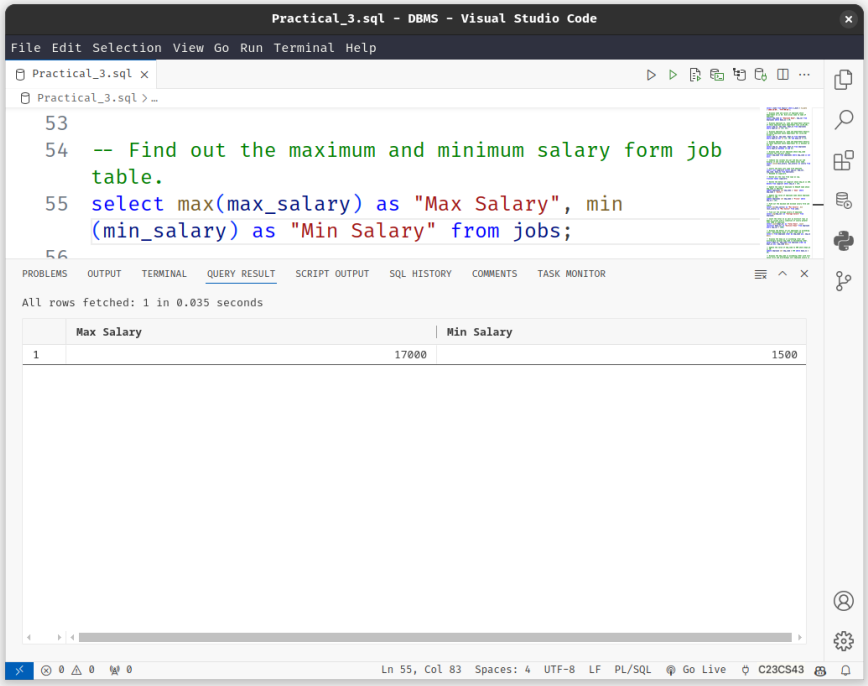
15. Update the name of the employee to ‘Aman’ name whose emp_name is ‘Anita’.



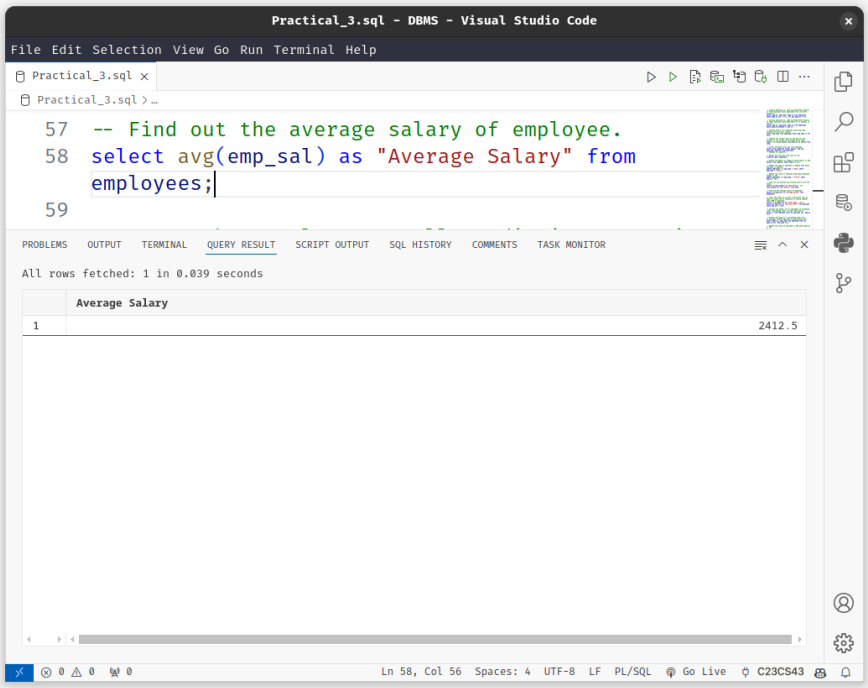
16. Update the value of the employee name whose employee number is 103.



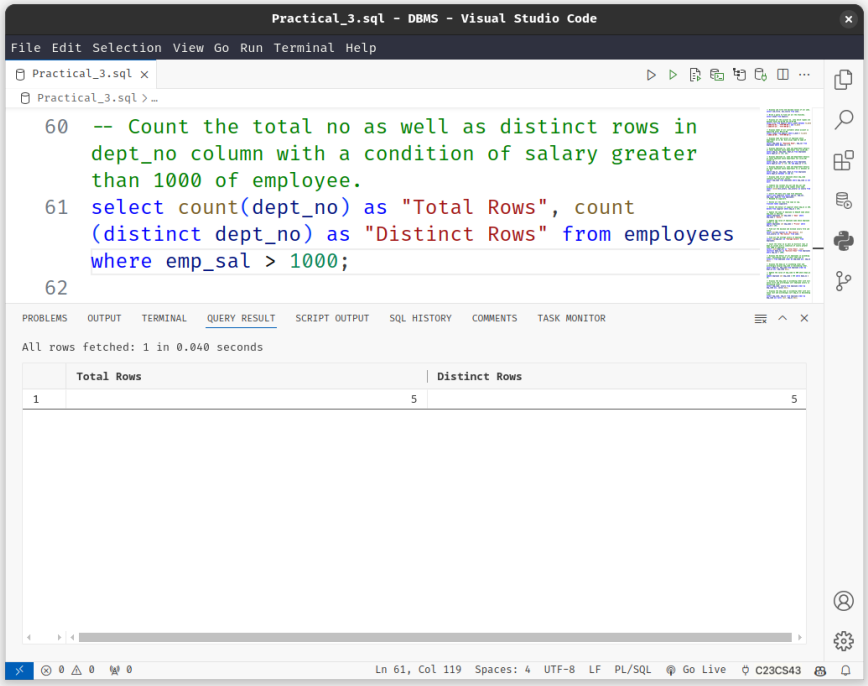
17. Find out the maximum and minimum salary form the job table.



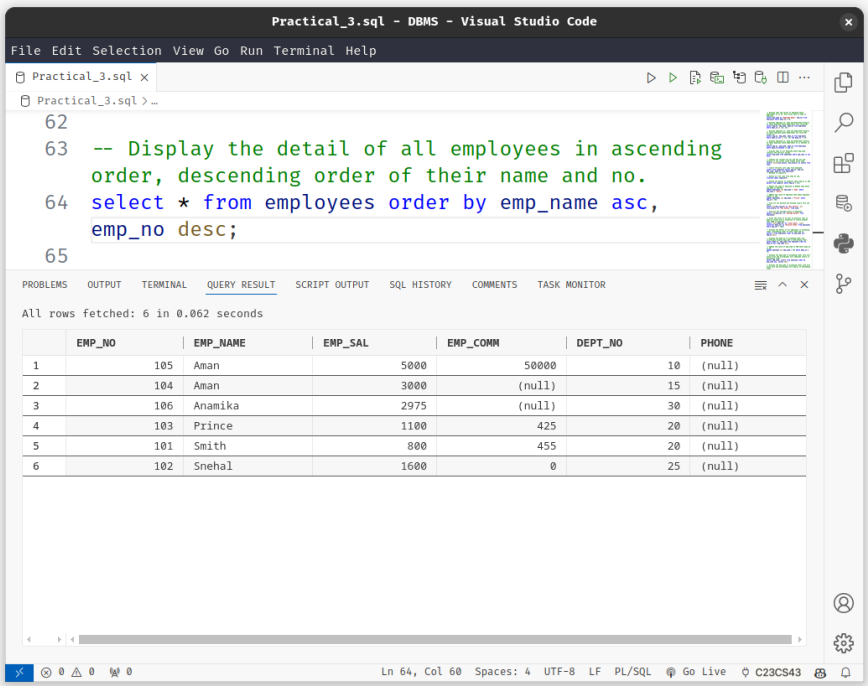
18. Find out the average salary of an employee.



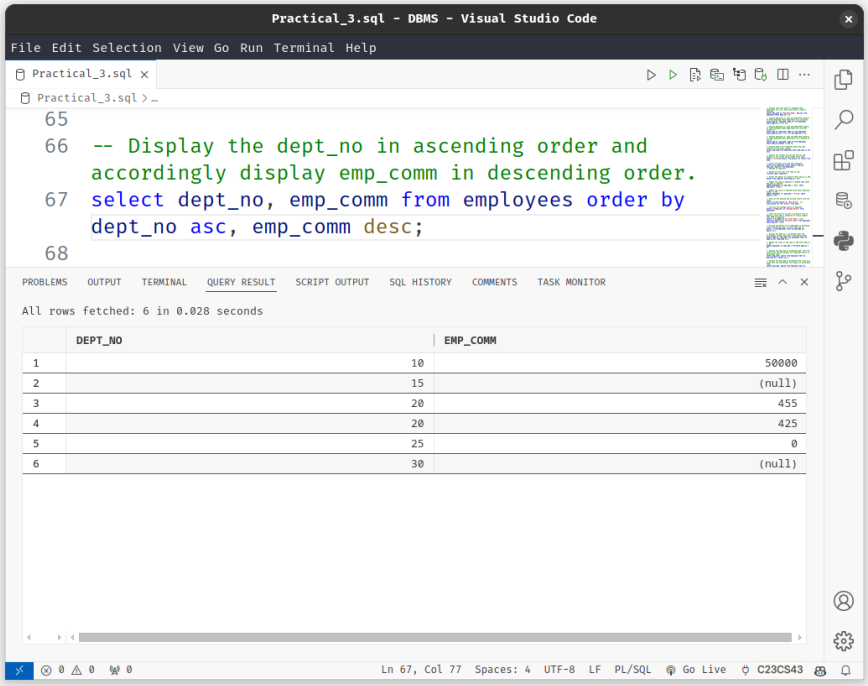
19. Count the total no as well as distinct rows in the dept_no column with a condition of salary greater than 1000 of employees.



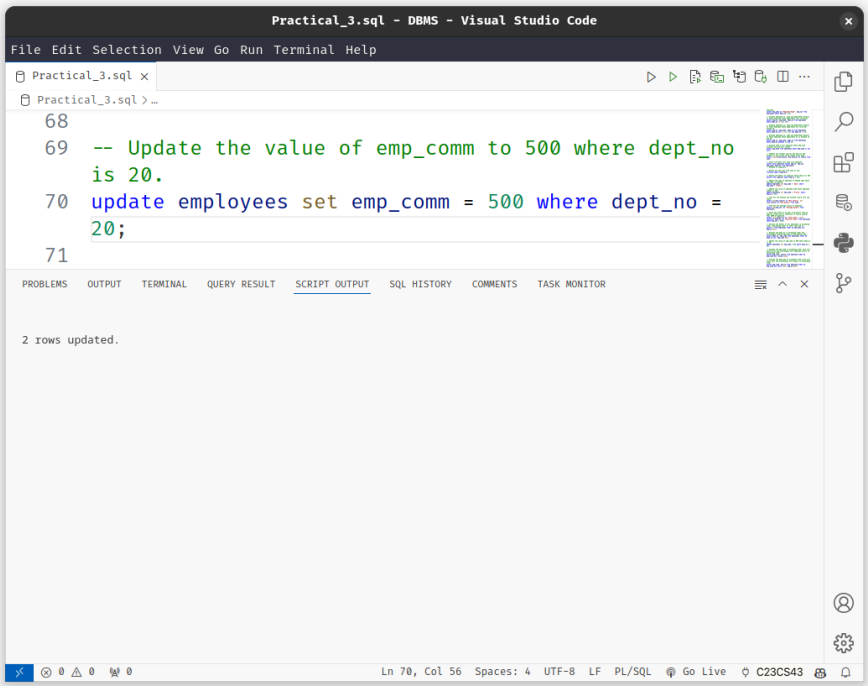
20. Display the details of all employees in ascending order, descending order of their name and no.



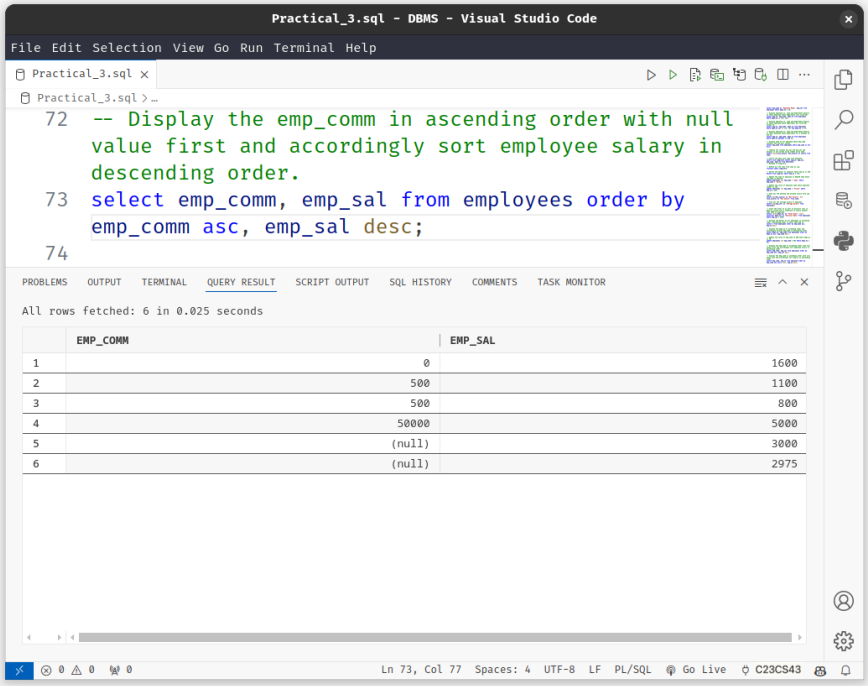
21. Display the dept_no in ascending order and accordingly display emp_comm in descending order.



22. Update the value of emp_comm to 500 where dept_no is 20.



23. Display the emp_comm in ascending order with null value first and accordingly sort employee salary in descending order.



24. Display the emp_comm in ascending order with null value last and accordingly sort emp_no in descending order.