**DBMS LAB-07(06-02-2025)**

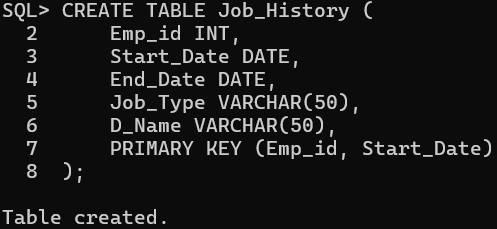
**Name-** Bhavya Shrivastava **Roll No-** 23052071 **Section-** CSE-15

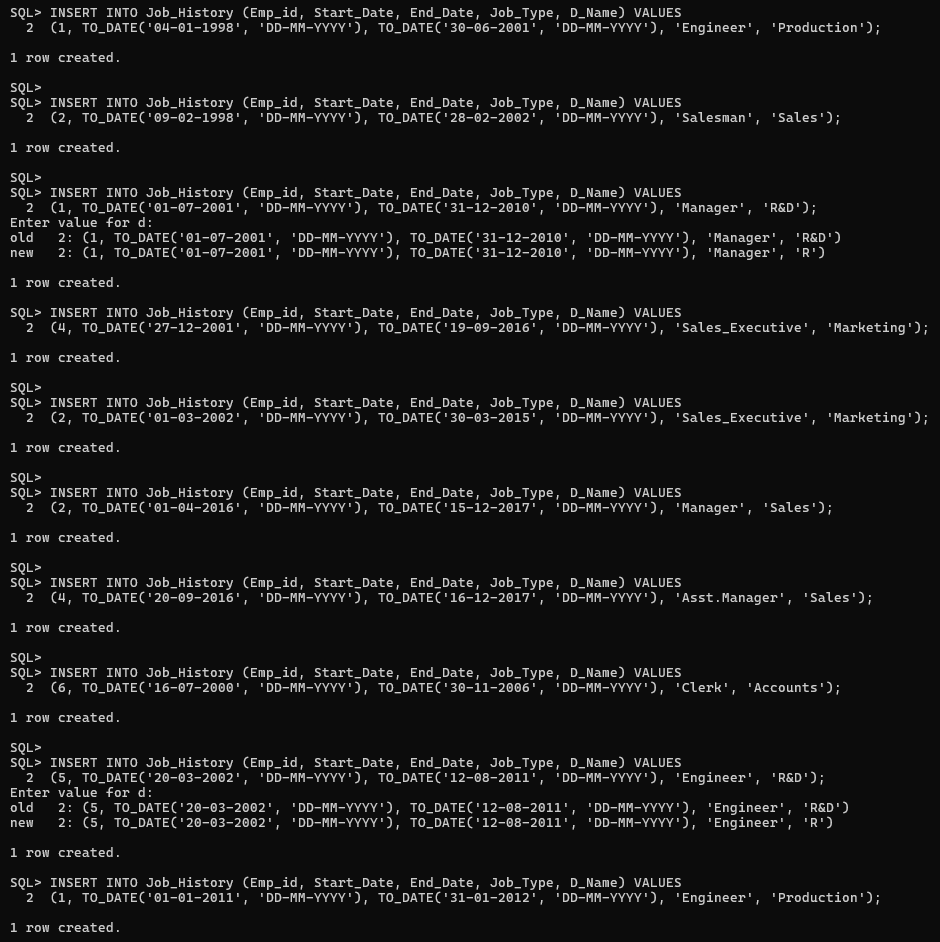
**Q1. Create the following table and insert the values.**

**Job\_History**

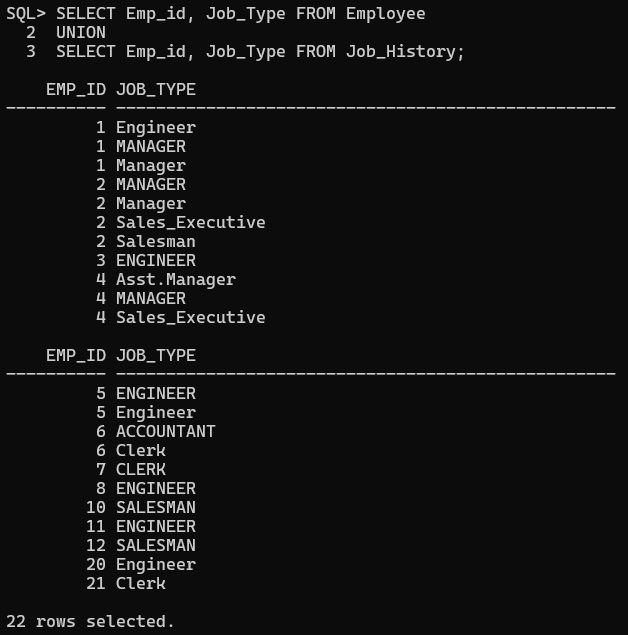
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Emp\_id** | **Start\_Date** | **End\_Date** | **Job\_Type** | **D\_Name** |
| **1** | **4-Jan-1998** | **30-Jun-2001** | **Engineer** | **Production** |
| **2** | **9-Feb-1998** | **28-Feb-2002** | **Salesman** | **Sales** |
| **1** | **1-Jul-2001** | **31-Dec-2010** | **Manager** | **R&D** |
| **4** | **27-Dec-2001** | **19-Sep-2016** | **Sales\_Executive** | **Marketing** |
| **2** | **1-Mar-2002** | **30-Mar-2015** | **Sales\_Executive** | **Marketing** |
| **2** | **1-Apr-2016** | **15-Dec-2017** | **Manager** | **Sales** |
| **4** | **20-Sep-2016** | **16-Dec-2017** | **Asst.Manager** | **Sales** |
| **6** | **16-Jul-2000** | **30-Nov-2006** | **Clerk** | **Accounts** |
| **5** | **20-Mar-2002** | **12-Aug-2011** | **Engineer** | **R&D** |
| **1** | **1-Jan-2011** | **31-Jan-2012** | **Engineer** | **Production** |

**Using the above Job\_History table and the Employee table (of assignment 2) write SQL statements for the following queries.**

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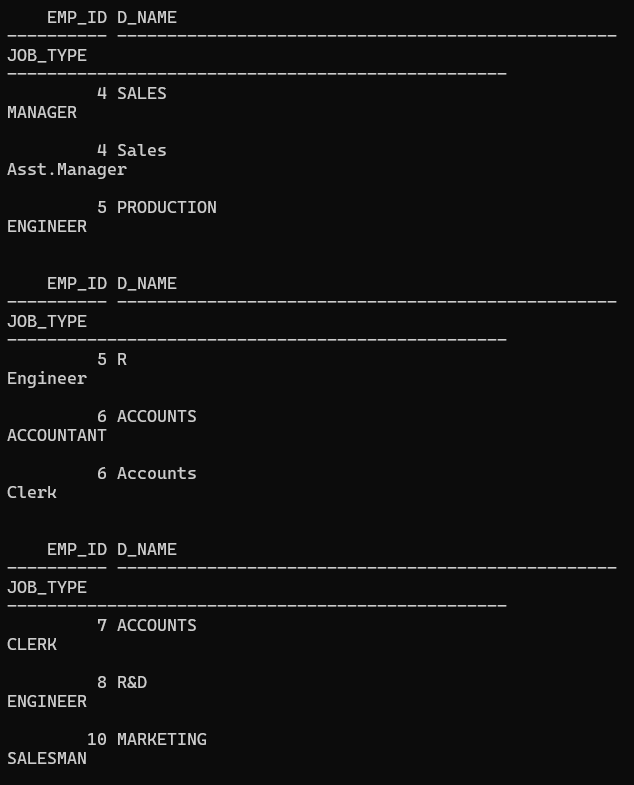
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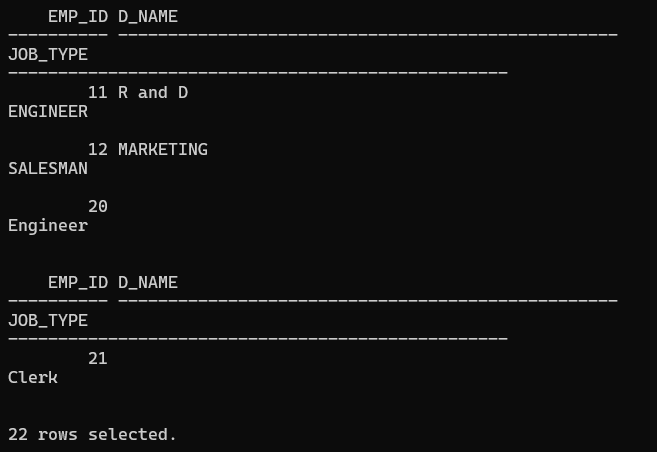
**Q2. Display the current and previous (if any) job\_types of all employees. (use union/union all)**

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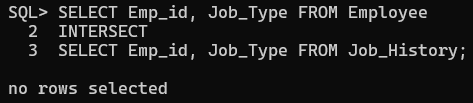
**Q3. Display the emp\_id, d\_name, and job\_types current and previous (if any) of all employees.(use union/union all)**

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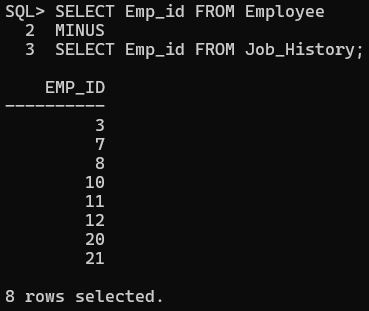
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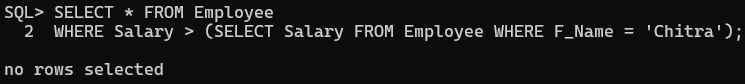
**Q4. Display the emp\_id and the job\_type of employees who currently have a job title that they held previously.(use intersect)**

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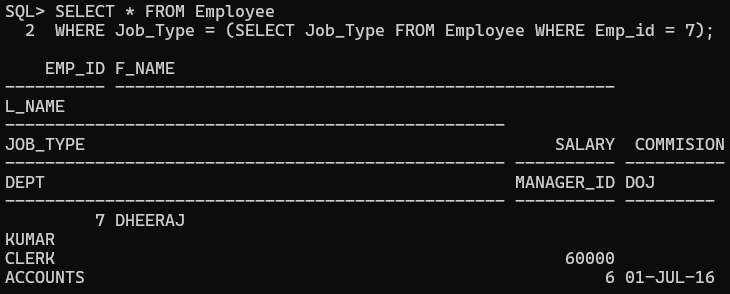
**Q5. Find the employees who have not changed their job for once.(use minus)**

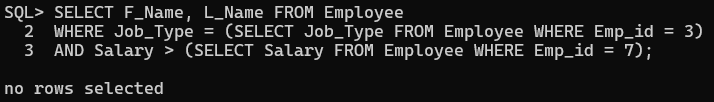
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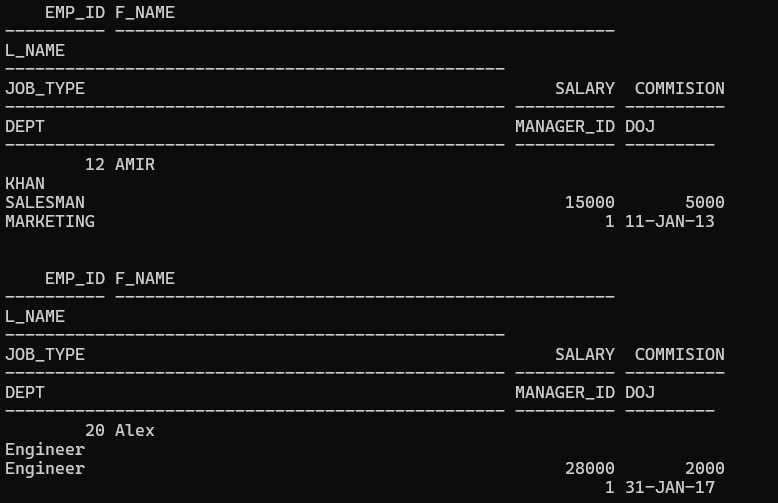
**Q6. Find the employees who earn more than Chitra. (use single-row subquery)**

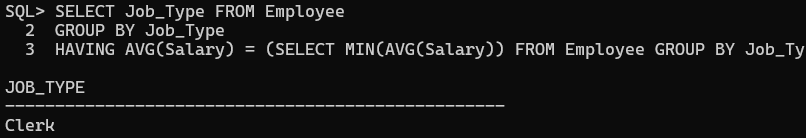
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**Q7. Find the employees details who have the same job\_type as of emp\_id 7. (use single-row subquery)**

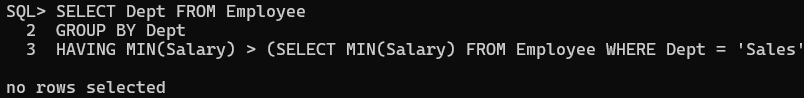
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**Q8.Display the employee names whose job is the same as employee 3 and earn more than employee 7. (use single-row subquery) **

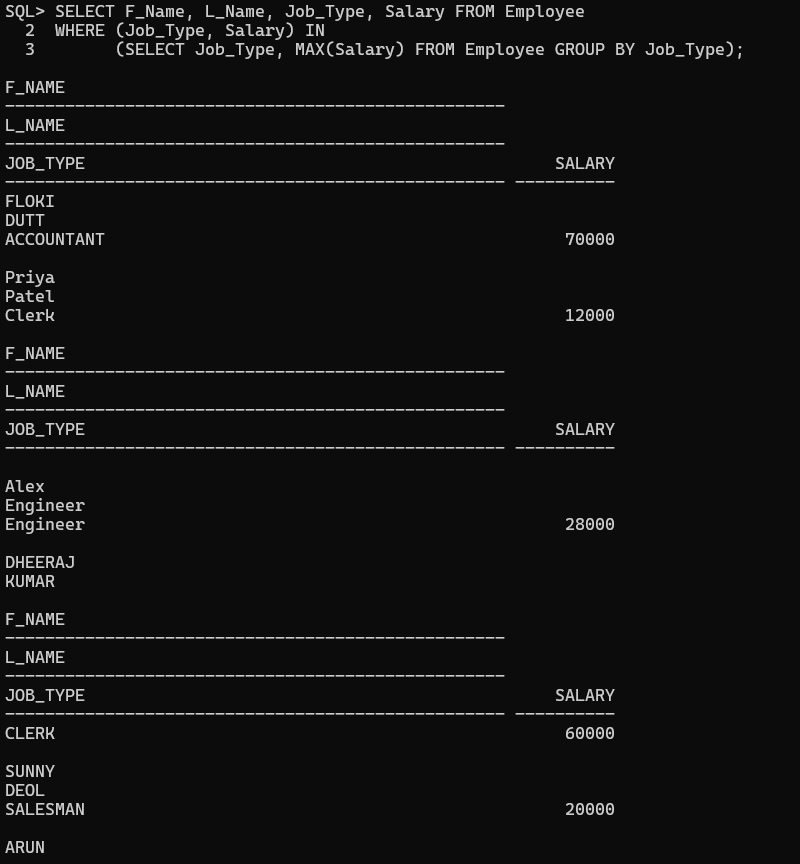
**Q9. Display the employees earning less than the average salary. (use single-row subquery) **

**Q10. Find the job\_type with the lowest average salary. (use single-rowsubquery)**

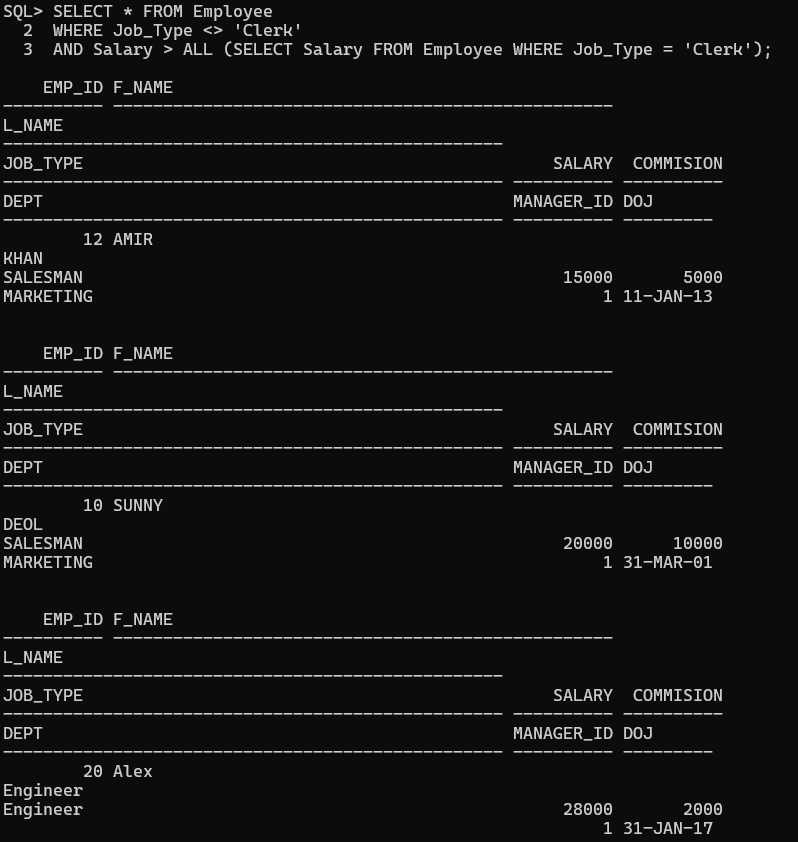
**Q11. Display all the department names whose minimum salary is greater than the minimum salary of the Sales department.**

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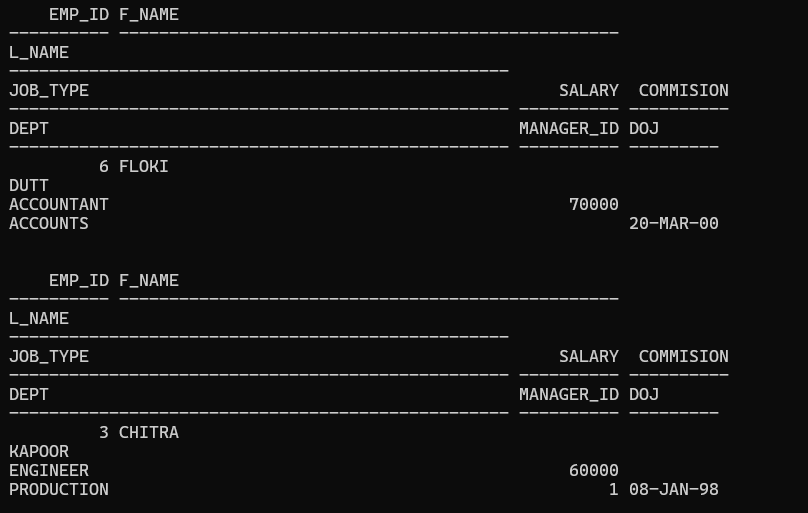
**Q12. Select the employee names, department and salary who are the lowest earners of their corresponding department (use multi-row subquery). **

**Q13. Find the highest earners of each job\_type.(use multi-row subquery). **

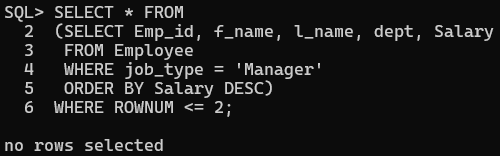
**Q14. Display the employees who are not engineers and earn less than any engineer.(use multi-row subquery). **

**Q15. Display the employees who are not clerks but earn more than all clerks.(use multi-row subquery).**

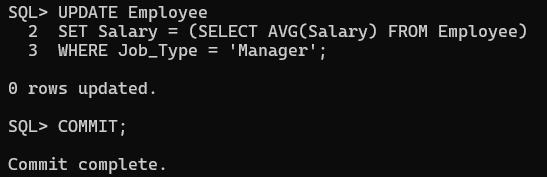
**Q16. Display the top 5 highest earning employees **

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**Q17. Display the name and department of the top 2 highest paid managers.**

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**Q18. Update the salary of the employees working as managers to the average salary of all the employees.**

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