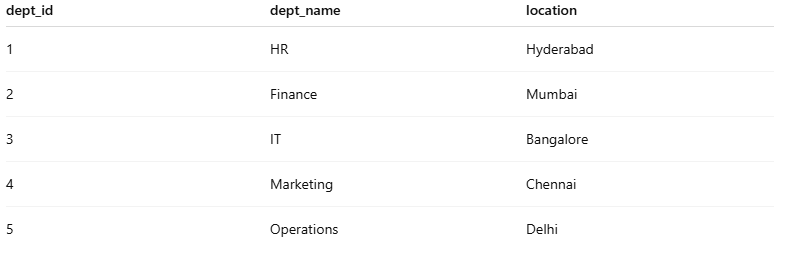
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SCHOOL OF COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE** | | | | | **DEPARTMENT OF COMPUTER SCIENCE ENGINEERING** | | | | |
| **Program Name:** B. Tech | | | | **Assignment Type: Lab** | | | **Academic Year:**2025-2026 | | |
| **Course Coordinator Name** | | | | Venkataramana Veeramsetty | | | | | |
| **Instructor(s) Name** | | | | |  | | --- | | Dr. V. Venkataramana (Co-ordinator) | | Dr. T. Sampath Kumar | | Dr. Pramoda Patro | | Dr. Brij Kishor Tiwari | | Dr.J.Ravichander | | Dr. Mohammand Ali Shaik | | Dr. Anirodh Kumar | | Mr. S.Naresh Kumar | | Dr. RAJESH VELPULA | | Mr. Kundhan Kumar | | Ms. Ch.Rajitha | | Mr. M Prakash | | Mr. B.Raju | | Intern 1 (Dharma teja) | | Intern 2 (Sai Prasad) | | Intern 3 (Sowmya) | | NS\_2 ( Mounika) | | | | | | |
| **Course Code** | | | 24CS002PC215 | **Course Title** | | AI Assisted Coding | | | |
| **Year/Sem** | | | II/I | **Regulation** | | R24 | | | |
| **Date and Day**  **of Assignment** | | | Week9 - Tuesday | **Time(s)** | |  | | | |
| **Duration** | | | 2 Hours | **Applicable to**  **Batches** | |  | | | |
| **AssignmentNumber:16.2**(Present assignment number)/**24**(Total number of assignments) | | | | | | | | | |
|  | | | | | | | | | |
|  | **Q.No.** | **Question** | | | | | | ***Expected Time***  ***to complete*** |  |
|  | 1 | 1.1. Display all records from the employee’s table.  2. 2. Display only employee names and their departments.  3. 3. Show unique department names.  4. 4. Find employees with salary greater than 50000.  5. 5. Find employees from the IT department.  6. 6. Display employees hired after 2020.  7. 7. Show employees in ascending order of salary.  8. 8. Show top 3 highest-paid employees.  9. 9. Count total employees in the company.  10. 10. Find the average salary of employees.  11. 11. Find the highest and lowest salary.  12. 12. Find total salary expenditure per department.  13. 13. Display departments having more than one employee.  14. 14. Show average salary by department.;  15. 15. Count employees hired each year.  16. 16. List employees with their department locations.  17. 17. Find employees working in Bangalore.  18. 18. Display all employees even if they don’t belong to a department.  19. 19. Find departments with no employees.  20. 20. Count employees in each department.  21. 21. Find employees earning above average salary.  22. 22. Find the department with the highest average salary.  23. 23. Find employees hired most recently.  24. 24. Find employees earning the second highest salary.  25. 25. Find all employees in the same department as 'Amit Sharma'.  26. 26. Increase salary by 10% for IT employees.  27. 27. Change department of employee 'Ravi' to Marketing.  28. 28. Delete employees with salary below 40000.  29. 29. Add a new column 'email' to employees.  30. 30. Update email IDs for all employees.  31. 31. Find top 2 departments by average salary.  32. 32. Find how many employees work in each city.  33. 33. Show employee count and total salary together.  34. 34. Display employees with names starting with 'A'.  35. 35. Display employees whose last name ends with 'a'.  36. 36. Find employees hired in 2020.  37. 37. Show number of days since each employee was hired.  38. 38. Display employee names in uppercase.  39. 39. Concatenate first and last names.  40. 40. Find employees whose salary is between 45000 and 60000.  41. 41. Create a view for high salary employees (>55000).  42. 42. Display all records from the view.  43. 43. Add NOT NULL constraint to department name.  44. 44. Drop the view.  45. 45. Rename the employees table to staff.  46. 46. Create a backup copy of the employees table.  47. 47. Delete all data but keep the structure.  48. 48. Drop the employees backup table.  49. 49. Create an index on employee last name.  50. 50. Drop the index. | | | | | | Week9 - Monday |  |

Employee Table



Department Table



**Prompt :** Display all records from the employee’s table.

A computer screen shot of a program

AI-generated content may be incorrect.

**Prompt :** Display only employee names and their departments.

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AI-generated content may be incorrect.

**Prompt :** Show unique department names.

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AI-generated content may be incorrect.  
Output :

A screenshot of a computer

AI-generated content may be incorrect.

**Prompt :** Find employees with salary greater than 50000.

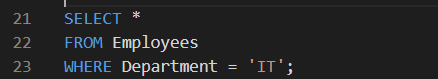
A black background with white text

AI-generated content may be incorrect.  
**Output :**

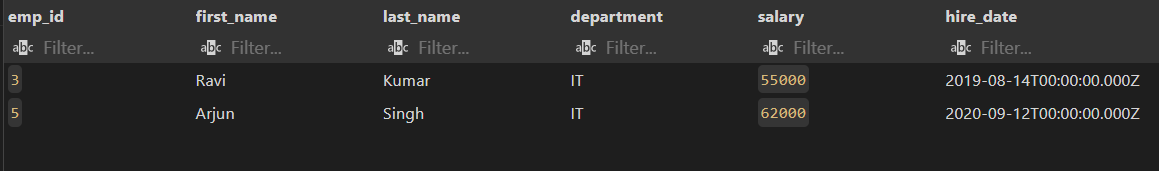
A screenshot of a computer

AI-generated content may be incorrect.

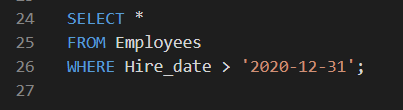
**Prompt :** Find employees from the IT department.



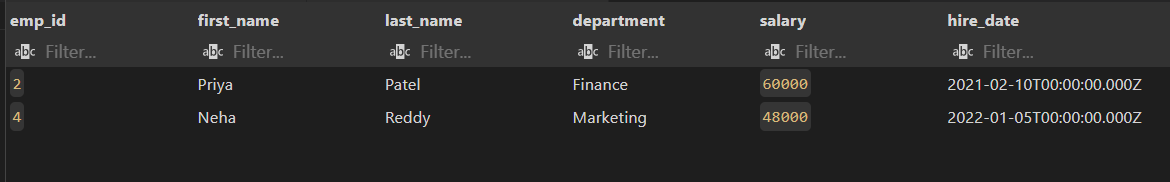
**Output :**



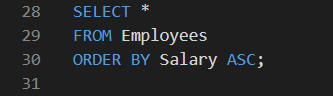
**Prompt :** Display employees hired after 2020.



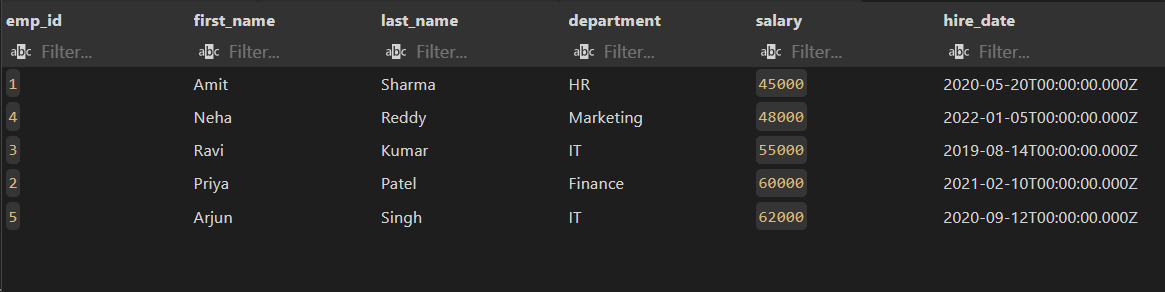
**Output :**

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**Prompt :** Show employees in ascending order of salary.



**Output :**

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**Prompt :** Show top 3 highest-paid employees.

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**Output :**

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**Prompt :** Count total employees in the company.

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**Output :**

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AI-generated content may be incorrect.**

**Prompt :** Find the average salary of employees.

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**Output :**

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**Prompt :** Find the highest and lowest salary.

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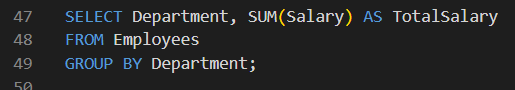
AI-generated content may be incorrect.

**Output :**

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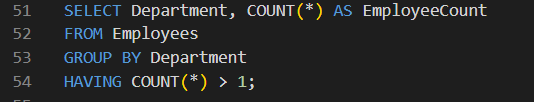
**Prompt :** Find total salary expenditure per department.



**Output :**

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**Prompt :** Display departments having more than one employee.

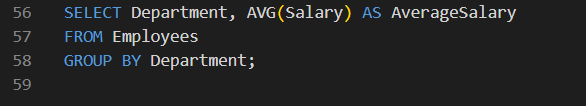


**Output :**

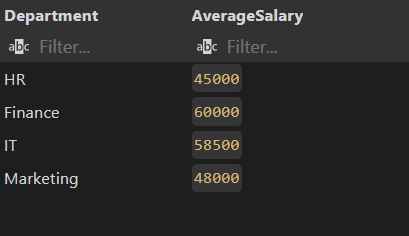
**A screenshot of a computer

AI-generated content may be incorrect.**

**Prompt :** Show average salary by department.;



**Output :**

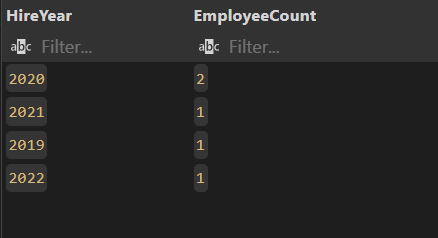
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**Prompt :** Count employees hired each year.

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**Output :**

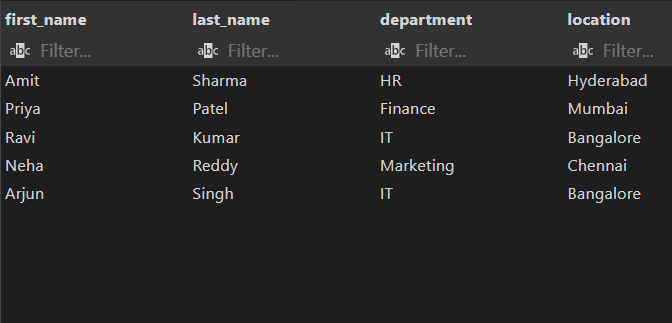
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**Prompt :** List employees with their department locations.

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**Output :**

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**Prompt :**  Find employees working in Bangalore.

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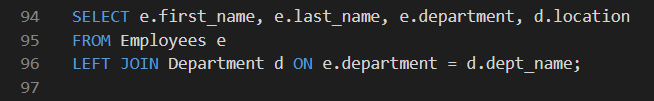
AI-generated content may be incorrect.

**Output :**

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AI-generated content may be incorrect.**

**Prompt :** Display all employees even if they don’t belong to a department.



Output :

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AI-generated content may be incorrect.

**Prompt :**  Find departments with no employees.

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AI-generated content may be incorrect.

Output :

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AI-generated content may be incorrect.

**Prompt :** Count employees in each department.

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Output :

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AI-generated content may be incorrect.

**Prompt :** Find employees earning above average salary.

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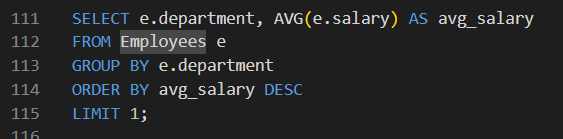
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Output :

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AI-generated content may be incorrect.

**Prompt :** Find the department with the highest average salary.



Output :

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**Prompt :**. Find employees hired most recently.

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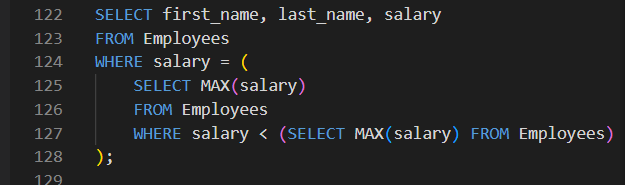
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Output :

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**Prompt :**  Find employees earning the second highest salary.



Output :

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**Prompt :** Find all employees in the same department as 'Amit Sharma'.

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**Prompt :**Increase salary by 10% for IT employees.

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**Prompt :** Change department of employee 'Ravi' to Marketing.

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**Prompt :** Delete employees with salary below 40000.

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AI-generated content may be incorrect.

**Prompt :** Add a new column 'email' to employees.

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**Prompt :** Update email IDs for all employees.



**Prompt :** Find top 2 departments by average salary.

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Output :

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**Prompt :** Find how many employees work in each city.

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Output :

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**Prompt :** Show employee count and total salary together.



Output :

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**Prompt :** Display employees with names starting with 'A'.

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Output :

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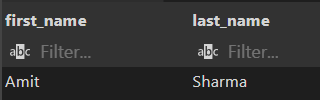
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**Prompt :** Display employees whose last name ends with 'a'.

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Output :



**Prompt :** Find employees hired in 2020.

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Output :

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**Prompt :** Show number of days since each employee was hired.



Output :

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**Prompt :** Display employee names in uppercase.



Output :

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**Prompt :** Concatenate first and last names.

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Output :

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AI-generated content may be incorrect.

**Prompt :** Find employees whose salary is between 45000 and 60000.

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Output :

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AI-generated content may be incorrect.

**Prompt :** Create a view for high salary employees (>55000).

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**Prompt :** Display all records from the view.



Output :

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AI-generated content may be incorrect.

**Prompt :** Add NOT NULL constraint to department name.

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**Prompt :** Drop the view.

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AI-generated content may be incorrect.

**Prompt :** Rename the employees table to staff.



**Prompt :** Create a backup copy of the employees table.

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**Prompt :** Delete all data but keep the structure.



**Prompt :** Drop the employees backup table.



**Prompt :** Create an index on employee last name.



**Prompt :** Drop the index.

