SELF_PRACTICE DATABASE QUESTIONS

1. List all students along with their courses.
2. Retrieve the names of students who live in "Delhi".
3. Find all students along with their city and department details.
4. Display the salary details of all employees.
5. List the cities where students belong to specific departments (e.g., HR or Development).
6. Find the name, city, and salary of students working in the "Software Engineering" department.
7. Retrieve a list of students whose city names start with the letter "A".
8. List the students along with their courses, cities, and salaries.
9. Find the students who are enrolled in "Btech" and work in "Development".
10. Retrieve the city name and salary of students who work in the "HR" department.
11. Retrieve all students whose salary is greater than 60,000.
12. List students whose city is either "Noida" or "Gurgoan".
13. Find all students enrolled in a course with "Fashion" in its name.
14. Display students working in "Testing" with salaries less than 50,000.
15. Find students whose salary is in the range of 30,000 to 70,000.
16. What is the total salary of all employees?
17. What is the average salary of employees working in the "Software Engineering" department?
18. How many students are enrolled in "Bcom"?
19. Find the department with the highest average salary.
20. Count the number of students living in each city.
21. Group students by course and count how many students are enrolled in each.
22. List cities and their respective highest-paid employees.
23. Sort students by salary in descending order and display their details.
24. Group employees by department and calculate the average salary for each department.
25. List the top 5 highest-paid employees and their details.
26. Find the name of the student who earns the highest salary.
27. Retrieve all students who earn more than the average salary of the "HR" department.
28. List students whose salary is higher than that of the student living in "Delhi".
29. Find the courses of students whose cities have a population of more than 10 (assuming population is implied).
30. Retrieve the departments where the minimum salary is greater than 40,000.
31. Find students who live in the same city and work in the same department.
32. List all departments where at least 3 students are employed.
33. Retrieve students who have duplicate salaries.
34. Find employees who live in "Kanpur" and have a salary greater than the average salary of all employees.

35. Display students whose courses and departments are the same (e.g., "Btech" and "Software Engineering").
36. Check if any employee_id in the sallary table does not exist in the students table.
37. Verify if all cities in the city table have corresponding city_id in the students table.
38. Find students who are referenced in the sallary table but not in the city table.
39. Are there any students who do not have a salary assigned in the sallary table?
40. List cities where no students are currently employed in any department.
41. Add a new student and assign their city and salary.
42. Update the salary of the student living in "Mathura" by 10%.
43. Delete all students whose salary is below 30,000.
44. Change the department of a student to "Research and Development" if they are working in "Testing".
45. Find the city with the maximum number of students.