Coding Challenge Questions : My SQL

	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
1	John	Abraham	1000000	2013-01-01 12.00.00	Banking
2	Michael	Clarke	800000	2013-01-01 12.00.00	Insurance
3	Roy	Thomas	700000	2013-02-01 12.00.00	Banking
4	Tom	Jose	600000	2013-02-01 12.00.00	Insurance
5	Jerry	Pinto	650000	2013-02-01 12.00.00	Insurance
6	Philip	Mathew	750000	2013-02-01 12.00.00	Services
7	Towino	Thomas	650000	2013-01-01 12.00.00	Services
8	Jeffin	Jose	600000	2013-02-01 12.00.00	Insurance

Table Name : Incentives

EMPLOYEE_REF_ID	INCENTIVE_DATE	INCENTIVE_AMOUNT
1	2013-02-01	5000
2	2013-02-01	3000
3	2013-02-01	4000
4	2013-01-01	4500
5	2013-01-01	3500

1. **Get all employee details from the employee table**

2. **Get First_Name,Last_Name from employee table**

3. **Get First_Name from employee table in upper case**

4. **Get First_Name from employee table in lower case**

5. **Get unique DEPARTMENT from employee table**

6. **Select first 3 characters of FIRST_NAME from EMPLOYEE**

7. **Get position of 'o' in name 'John' from employee table**

8. **Get FIRST_NAME from employee table after removing white spaces from right side**

9. **Get FIRST_NAME from employee table after removing white spaces from left side**

10. **Get length of FIRST_NAME from employee table**

11. **Get First_Name from employee table after replacing 'o' with '$'**

12. **Get First_Name and Last_Name as single column from employee table separated by a '_'**

13. **Get FIRST_NAME ,Joining year,Joining Month and Joining Date from employee table**

14. **Get all employee details from the employee table order by First_Name Ascending**

15. **Get all employee details from the employee table order by First_Name descending**

16. **Get all employee details from the employee table order by First_Name**

Ascending and Salary descending

17. Get employee details from employee table whose employee name is "John"

18. Get employee details from employee table whose employee name are "John" and "Roy"

19. Get employee details from employee table whose employee name are not "John" and "Roy"

20. Get employee details from employee table whose first name ends with 'n' and name contains 4 letters

21. Get employee details from employee table whose first name starts with 'J' and name contains 4 letters

22. Get employee details from employee table whose Salary greater than 600000

23. Get employee details from employee table whose Salary less than 800000

24. Get employee details from employee table whose Salary between 500000 and 800000

25. Get employee details from employee table whose name is 'John' and 'Michael'

26. Get employee details from employee table whose joining year is "2013"

27. Get employee details from employee table whose joining month is "January"

28. Get employee details from employee table who joined before January 1st 2013

29. Get employee details from employee table who joined after January 31st

30. Get Joining Date and Time from employee table

31. Get Joining Date,Time including milliseconds from employee table

32. Get difference between JOINING_DATE and INCENTIVE_DATE from employee and incentives table

33. Get current date

34. Get names of employees from employee table who has '%' in Last_Name. Tip : Escape character for special characters in a query.

35. **Get Last Name from employee table after replacing special character with white space**

36. **Get department wise average salary from employee table order by salary ascending**

37. **Get department wise maximum salary from employee table order by salary ascending**

38. **Get department wise minimum salary from employee table order by salary ascending**

39. **Select no of employees joined with respect to year and month from employee table**

40. **Select department,total salary with respect to a department from employee table where total salary greater than 800000 order by Total_Salary descending**

41. **Select first_name, incentive amount from employee and incentives table for those employees who have incentives**

42. **Select first_name, incentive amount from employee and incentives table for those employees who have incentives and incentive amount greater than 3000**

43. **Select first_name, incentive amount from employee and incentives table for all employes even if they didn't get incentives**

44. **Select first_name, incentive amount from employee and incentives table for all employees even if they didn't get incentives and set incentive amount as 0 for those employees who didn't get incentives.**

45. **Select first_name, incentive amount from employee and incentives table for all employees who got incentives using left join**

46. **Select max incentive with respect to employee from employee and incentives table using sub query**

47. **Select TOP 2 salary from employee table**

48. Select 2nd Highest salary from employee table

49. Select First_Name, LAST_NAME from employee table as separate rows

50. Select employee details from employee table if data exists in incentive table ?

51. Select 20 % of salary from John , 10% of Salary for Roy and for other 15 % of salary from employee table

52. Select Banking as 'Bank Dept', Insurance as 'Insurance Dept' and Services as 'Services Dept' from employee table

53. Delete employee data from employee table who got incentives in incentive table

54. Insert into employee table Last Name with " ' " (Single Quote - Special Character)

55. Update incentive table where employee name is 'John'