**Table Name : Employee EMP\_ID As PRIMARY KEY**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | SALARY | JOINING\_DATE | DEPARTMENT | | |
| 1 | Venkatesh | S | 100000 | 08/28/2015 | | BANKING | | |
| 2 | Ragavi | P | 75000 | 08/28/2015 | | | BUSINESS | |
| 3 | Gopinath | C | 50000 | 03/02/2016 | | | PHARMA | |
| 4 | Dinesh | G | 50000 | 03/02/2016 | | | INSURANCE | |
| 5 | Saibabu | E | 40000 | 07/08/2017 | | | SOFTWARE | |
| 6 | Hasan | S | 29000 | 07/08/2017 | | | MANUFACTURING | |
| 7 | Divya | P | 33000 | 07/08/2017 | | | HEALTHCARE | |
| 8 | Aravindan | R | 40000 | 07/08/2017 | | | HEALTHCARE | |
| 9 | Sathish | MD | 45000 | 03/02/2016 | | | AUTOMOBILE | |
| 10 | Prasanth | PKP | 34000 | 03/02/2016 | | | INSURANCE | |
| 11 | Vijay | R | 25684 | 03/02/2016 | | | BUSINESS | |
| 12 | Sivakumar | K | 54789 | 03/02/2016 | | | SOFTWARE | |

|  |  |  |
| --- | --- | --- |
| **EMPLOYEE\_REF\_ID** | **INCENTIVE\_DATE** | **INCENTIVE\_AMOUNT** |
| 1 | 01-FEB-16 | 5000 |
| 2 | 01-FEB-16 | 3000 |
| 3 | 01-FEB-17 | 4000 |
| 1 | 01-JAN-17 | 4500 |
| 2 | 01-JAN-17 | 3500 |

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

select \* from emptable;

**2. Get First\_Name,Last\_Name from employee table**

select FIRST\_NAME,LAST\_NAME from emptable;

**3.  Get First\_Name from employee table using alias name “Employee Name”**

select FIRST\_NAME as Employee\_Name from emptable;

**4.  Get First\_Name from employee table in upper case**

select upper(FIRST\_NAME) from emptable;

**5.  Get First\_Name from employee table in lower case**

select lower(FIRST\_NAME) from emptable;

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

select distinct DEPARTMENT from emptable;

**7.  Select first 3 characters of FIRST\_NAME from EMPLOYEE**

select substring(FIRST\_NAME,1,3) from emptable;

**8.  Get position of &#39;a&#39; in name &#39;ragavi&#39; from employee table**

select position(‘a’ in “ragavi”);

**9. Get FIRST\_NAME from employee table after removing white spaces from right side**

select RTRIM(FIRST\_NAME) from emptable;

**10. Get FIRST\_NAME from employee table after removing white spaces from left side**

select LTRIM(FIRST\_NAME) from emptable;

**11. Get length of FIRST\_NAME from employee table**

select LENGTH(‘FIRST\_NAME’);

**12. Get First\_Name from employee table after replacing &#39;a&#39; with &#39;$&#39;**

select REPLACE(FIRST\_NAME,&#39;a&#39;,&#39;$&#39;) from emptable;

**13. Get First\_Name and Last\_Name as single column from employee table separated by a &#39;\_&#39;**

select FIRST\_NAME &#39;\_&#39; from emptable;

**14. Get FIRST\_NAME ,Joining year,Joining Month and Joining Date from employee table**

select FIRST\_NAME, YEAR(JOINING\_DATE) AS Joining\_Year, MONTH(JOINING\_DATE) AS

Joining\_Month, DAY(JOINING\_DATE) AS Joining\_Date from emptable ;

**15. Get all employee details from the employee table order by First\_Name Ascending**

select \* from emptable order by FIRST\_NAME ASC;

**16. Get all employee details from the employee table order by First\_Name descending**

select \* from emptable order by FIRST\_NAME DESC;

**17. Get all employee details from the employee table order by First\_Name Ascending and Salary**

**descending**

select \* from emptable e ORDER BY e.FIRST\_NAME ASC, e.SALARY DESC;

**18. Get employee details from employee table whose employee name is “Dinesh”**

select \* from emptable where FIRST\_NAME = &#39;Dinesh&#39;;

**19. Get employee details from employee table whose employee name are “Dinesh” and “Roy”**

select \* from emptable where FIRST\_NAME IN (&#39;Dinesh&#39;, &#39;Roy&#39;);

**20. Get employee details from employee table whose employee name are not “Dinesh” and “Roy”**

select \* from emptable where FIRST\_NAME NOT IN (&#39;Dinesh&#39;, &#39;Roy&#39;);

**21. Get employee details from employee table whose first name starts with &#39;s&#39;**

select \* from emptable where FIRST\_NAME like &quot;s%&quot;;

**22. Get employee details from employee table whose first name contains &#39;v&#39;**

select \* from emptable where FIRST\_NAME like &quot;%v%&quot;;

**23. Get employee details from employee table whose first name ends with &#39;n&#39;**

select \* from emptable1 where FIRST\_NAME like &quot;%n&quot; and name like &#39;\_\_\_\_&#39;;

**24. Get employee details from employee table whose first name ends with &#39;n&#39; and name contains 4**

**letters.**

select \* from emptable1 where FIRST\_NAME like &quot;%n&quot; &amp;&amp; ;

**25. Get employee details from employee table whose first name starts with &#39;J&#39; and name contains 4**

**letters**

**26. Get employee details from employee table who’s Salary greater than 60000**

select \* from emptable where SALARY &gt; 60000;

**27. Get employee details from employee table who’s Salary less than 80000**

select \* from emptable where SALARY &lt;80000;

**28. Get employee details from employee table who’s Salary between 50000 and 80000**

select \* from emptable where SALARY BETWEEN 50000 AND 80000;

**29. Get employee details from employee table whose name is venkatesh and ragavi**

select \* from emptable WHERE FIRST\_NAME IN (&#39;venkatesh&#39;, &#39;ragavi&#39;);

**30. Get employee details from employee table whose joining year is “2015”**

select \* from emptable where YEAR(JOINING\_DATE) = 2015;

**31. Get employee details from employee table whose joining month is “January”**

select \* from emptable where MONTH(JOINING\_DATE) = 01;

**32. Get employee details from employee table who joined before January 1st 2017**

select \* from emptable where JOINING\_DATE &lt; &#39;2017-01-01&#39;;

**33. Get employee details from employee table who joined after January 31 st 2016**

select \* from emptable where JOINING\_DATE &gt; &#39;2016-01-31&#39;;

**35. Get Joining Date and Time from employee table**

select JOINING\_DATE from emptable;

**36. Get Joining Date,Time including milliseconds from employee table**

**37. Get difference between JOINING\_DATE and INCENTIVE\_DATE from employee and**

**incentives table**

**38. Get database date**

select curdate();

**39. Get names of employees from employee table who has &#39;%&#39; in Last\_Name. Tip : Escape**

**character for special characters in a query.**

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

**SQL Queries Interview Questions and Answers on &quot;SQL Group By Functions&quot; - Examples**

**41. Get department,total salary with respect to a department from employee table.**

**select DEPARTMENT, SUM(salary) AS SALARY FROM emptable GROUP BY DEPARTMENT;**

**42. Get department,total salary with respect to a department from employee table order by total**

**salary descending**

**43. Get department,no of employees in a department,total salary with respect to a department from**

**employee table order by total salary descending**

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

select DEPARTMENT, AVG(salary) AS AVERAGE\_SALARY FROM emptable GROUP BY

DEPARTMENT ORDER BY AVERAGE\_SALARY ASC;

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

SELECT DEPARTMENT, MAX(SALARY) AS max\_salary FROM emptable GROUP BY

DEPARTMENT ORDER BY max\_salary ASC;

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

SELECT DEPARTMENT, MIN(SALARY) AS min\_salary FROM emptable GROUP BY

DEPARTMENT ORDER BY min\_salary ASC;

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

select year(JOINING\_DATE) AS joining\_year, MONTH(JOINING\_DATE) AS joining\_month,

COUNT(\*) AS employee\_count FROM emptable GROUP BY joining\_year, joining\_month;

**48. Select department,total salary with respect to a department from employee table where total**

**salary greater than 800000 order by Total\_Salary descending**

**49. Select first\_name, incentive amount from employee and incentives table for those employees**

**who have incentives**

**50. Select first\_name, incentive amount from employee and incentives table for those employees**

**who have incentives and incentive amount greater than 3000**

**51. Select first\_name, incentive amount from employee and incentives table for all employes even if**

**they didn&#39;t get incentives**

**52. Select first\_name, incentive amount from employee and incentives table for all employees even**

if they didn&#39;t get incentives and set incentive amount as 0 for those employees who didn&#39;t get

incentives.

**53. Select first\_name, incentive amount from employee and incentives table for all employees who**

**got incentives using left join**

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

**Query**

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

**56. Select TOP N salary from employee table**

**57. Select 2nd Highest salary from employee table**

**58. Select Nth Highest salary from employee table\**

**59. Select First\_Name,LAST\_NAME from employee table as separate rows**

**60. What is the difference between UNION and UNION ALL ?**

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

**62. How to fetch data that are common in two query results ?**

**63. Get Employee ID&#39;s of those employees who didn&#39;t receive incentives without using sub query ?**

**64. Select 20 % of salary from venkat , 10% of Salary for gopi and for other 15 % of salary from**

**employee table**

**65. Select Banking as &#39;Bank Dept&#39;, Insurance as &#39;Insurance Dept&#39; and Services as &#39;Pharma Dept&#39;**

**from employee table**

**66. Delete employee data from employee table who got incentives in incentive table**

**67. Insert into employee table Last Name with &quot; &#39; &quot; (Single Quote - Special Character)**

**68. Select Last Name from employee table which contain only numbers**

**69. Write a query to rank employees based on their incentives for a month**

**70. Update incentive table where employee name is &#39;Dinesh&#39;**