DBMS Lab Questions

1.SQL PRACTISE QUESTIONS

Create a table with following columns.

ID	character	5
DeptID	numeric	2
Name	character	15
Design	character	15
Basic	numeric	10,2
Gender	character	1

ID	DeptID	Name	Designation	Basic	Gender
101	1	Ram	Typist	2000	M
102	2	Arun	Analyst	6000	M
121	1	Ruby	Typist	2010	F
156	3	Mary	Manager	4500	F
123	2	Mridula	Analyst	6000	F
114	4	Menon	Clerk	1500	M
115	4	Tim	Clerk	1500	M
127	2	Kiran	Manager	4000	M

Table 1

1. Get the description of the table.
2. Display all the records from the above table.
3. Display the ID, name, designation and basic salary of all the employees.
4. Display ID and name of all the employees from department no.2
5. Display ID, name, desig , deptID and basic, DA, HRA and net salary of all employees with suitable headings as DA, HRA and NET_SAL respectively.(DA is 7.5% of basic, and NET_SAL is Basic + DA+ HRA)
6. Display ID, name, desig, deptID and basic salary in the descending order of basic pay.
7. Display the employees whose designation is TYPIST.
8. Display all details of employees whose designation is either ANALYST or MANAGER.
9. Display all designations without duplicate values.
10. Display the ID, name, department and basic of all the employees who are either MANAGER or CLERK and the basic salary is in the range of 1400 and 4500.
11. Display the number of male staff members.
12. Find the maximum salary of each designation.
13. Add a column manager-id into the above table.
14. Update values of manager id of employees as null for 101, 101 for 102, 121, 156. 102 for 123,114,115.121 for 127.

15. Display the manager id of the employee Ram.
16. Display the employee names and their manager name.
17. Find the average salary of each department.
18. Find the maximum salary given to employees.
19. Find the number of employees in each department.
20. Find the number of departments existing in the organization.
21. Display the different designations existing in the organisation.
22. Display the number of different designations existing in the organisation.
23. Display the maximum salary given for female employees.
24. Display the female typist.
25. Display the male clerks getting salary more than 3000.
26. Display the details of managers or analysts working for dept id 2.
27. Display the designation and salary of Ruby.
28. Add a column joining date to the above table.
29. Update appropriate values for the joining date field.
30. Display the details of employees according to their seniority.
31. Display the details of employees according to the descending order of their salaries.
32. Create a new table DEPARTMENT with fields DEPTID and DNAME. Make DEPTID as the primary key.
33. Make DEPTID in employee table to refer to the DEPARTMENT table.
34. Insert values into the DEPARTMENT table. Make sure that all the existing values for DEPTID in emp is inserted into this table. Sample values are DESIGN,CODING,TESTING,RESEARCH.
35. Display the employee name and department name.
36. Display the department name of employee Arun.
37. Display the salary given by DESIGN department.
38. Display the details of typist working in DESIGN department.
39. Display the salary of employees working in RESEARCH department.
40. List the female employees working in TESTING department.
41. Display the details of employees not working in CODING or TESTING department.
42. Display the names of department giving maximum salary.
43. Display the names of departments with minimum number of employees.
44. Display the second maximum salary.
45. Display the second minimum salary.
46. Display the names of employees getting salary greater than the average salary of their department.
47. Display the names of employees working under the manager Ram.
48. Display the deptid and total number of employees as "Number of Dept_Employees" for only those departments with more than 3 employees.
49. Display the deptid and minimum salary as "Lowest Salary" for those departments with minimum salary above 2500.
50. Display the names of employees whose salary is the maximum given by their department.
51. Display the names of the employees, if their salary is greater than the salary of some other Employees.
52. Display the names of the employees, if their salary is greater than the salary of some other employees or less than the salary of some other employees.
53. Add a column city for employee table.
54. Add a column city for department.
55. Find the names of employees who are from the same city as their company.
56. Display the names of the departments giving smallest total salary.
57. Display the names of employees joined during 1990's.
58. Display the names of employees joined during the month of August.
59. Display the details of departments not having any employees (take the help of exists clause to do this)
60. Display the details of departments having more than 2 employees.
61. For each department that has more than 4 employees, retrieve the department id and number

of employees who are getting salary more than 5000.

62. Insert the details of some employees who are not assigned with a department.(did is null);
63. Display the names of employees and their department ids. If an employee is not assigned with a department, display his name with department id as “null”.
64. Display the names of employees and their department ids. If an employee is not assigned with a department, display his name with department id as 0.