Ex. No:2   **SQL Queries using Operators and Aggregate Functions**

Create an employee table with the following description:

Name   **Type**

Emp.No   Number
Name   varchar2
Designation   varchar2
Dept.No   number
Dept.Name   varchar2
Date of joining   Date
Salary   Number

Read the queries and insert 10 valid records accordingly.

Queries

1) List all the employees belonging to department number 10.
2) List the name and salary of the employees whose salary is greater than 1000.
3) List the name of the clerks working in department number 20.
4) List the employee number and name of the managers.
5) List the names of analysts and salesmen.
6) List the details of the employees who have joined before the end of 30 September 80.
7) List the employees who are not managers.
8) List the name of the employees whose employee numbers are 7369 and 7521.
9) List the details of the employees not belonging to the departments 10, 30 and 40.
10) List the name and salary for the employees whose salary is between 1000 and 2000.
11) List the names of the employees who have joined before 30 June 81 and after 31 Dec 81.
12) List the different jobs in the employee table.
13) List the names of the employees who are not eligible for commission.
14) List the name and designation of the employees who does not report to anybody.
15) List the details of employees who are not assigned to any department.
16) List the details of employees who are eligible for commission.
17) List the details of employees whose salary is greater than 2000 and have no commission.
18) List the details of employees whose name start with 'S'.
19) List the names of employees whose name end with 's'.
20) List the names of the employees whose name has exactly 5 characters.
21) List the names of employees whose name has 'i' as second character.
22) List the names of the employees in ascending order of their salaries.
23) List the name, salary and PF amount which is 10% of the salary of all employees.

24) List the name, salary, designation and department number of employees in the descending order of their department number.
25) List the total number of employees.
26) List the number of distinct jobs available.
27) List the total salaries of the employees.
28) List the average salary and number of employees belonging to department number 20.
29) List the department number and number of employees in each department.
30) List the department number and total of salaries in each department.
31) List the jobs and number of employees in each job. The result should be in ascending order of number of employees in each department.
32) List the jobs, maximum salary, minimum salary, average salary from employees according to their designation.
33) List the average salary of employees for each job excluding the manager.
34) List the department number, job and average salary of employees for all jobs according to their department numbers.
35) List the department number and average salary of employees belonging to departments which employ more than 5 employees.
36) List the jobs of employees where the maximum salary of the job is greater than or equal to 5000.
37) List the total salary, minimum salary, maximum salary and average salary of the employees belonging to department 20. Display only those rows having their average salary greater than 1000.