SQL Exercises

Three tables to be created in the database that may be used for the following exercises. Their structure is as follows:

EMP(empno, ename, job, age, mgr, hiredate, sal, comm., deptno)

DEPT(deptno, dname, loc)

These tables have the following data:

EMP

**EMPNO ENAME JOB MGR HIREDATE SAL DEPTNO**

7369 SMITH CLERK 7902 17-DEC-80 800 20

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7788 SCOTT ANALYST 7566 19-APR-87 3000 20

7839 KING PRESIDENT 17-NOV-81 5000 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7876 ADAMS CLERK 7788 23-MAY-87 1100 20

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

7934 MILLER CLERK 7782 23-JAN-82 1300 10

DEPT

**DEPTNO DNAME LOC**

10 ACCOUNTING NEW YORK

20 RESEARCH DALLAS

30 SALES CHICAGO

40 OPERATIONS BOSTON

1. Find out salary of both MILLER and SMITH.

2. Find out the names and salaries of all employees earning more than 1000 per

month.

3. Display the names and salaries of all employees except JAMES.

4. Find out the details of employees whose names begin with ‘S’.

5. Find out the names of all employees that have ‘A’ anywhere in their name.

6. Find out the names of all employees that have ‘L’ as their third character in

their name.

7. Find out the names of the employees whose name begin with ‘A’ or ‘M’.

8. Compute yearly salary of SMITH.

9. Compute daily salary of JONES.

10. Calculate the total monthly salary of all employees.

11. Print the average annual salary.

12. Select the name, job, salary, department number of all employees except

SALESMAN from department number 30.

13. List unique departments of the EMP table. –use unique

14. List the name and salary of employees who earn more than 1500 and are in department 10 or 30. Label the columns Employee and Monthly Salary respectively.

15. List the name and salary for all employees whose salary is not in the range of 1500

and 2850.

16. Display the names of employees with experience of over 10 years and under 20 yrs.

Count the total number of employees.

17. Retrieve the names of departments in ascending order and their employees in

descending order.

18. Find out experience of MILLER.

19. How many different departments are there in the employee table.

20. Find out which employee either work in SALES or RESEARCH department.

21. Print the name and average salary of each department.

22. Select the minimum and maximum salary from employee table.

23. Select the minimum and maximum salaries from each department in employee table.

24. Select the details of employees whose salary is below 1000 and job is CLERK

1.difference btw varchar and nvarchar

2.difference btw delete and truncate

3.Emloyee empid 'INT' (100,1)—identity

4.Data Time function

5.Character Function