SQL Assignment

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Answers:

1.

DESC dept;

SELECT \*

FROM dept;

2.

DESC emp;

SELECT ename,empno,HIREDATE,job

FROM emp;

3.

SELECT ename,job,sal Monthly\_Salary, 12\*sal Annual\_Salary

FROM emp;

4.

SELECT CONCAT(ename,",",job) AS Employee,Title

FROM emp;

5.

SELECT DISTINCT job

FROM emp;

6.

SELECT ename,sal

FROM emp

WHERE sal>2850;

7.

SELECT ename,deptno

FROM emp

WHERE ename="SMITH";

8.

SELECT ename,job,HIREDATE

FROM emp

WHERE HIREDATE BETWEEN '20-FEB-81' AND '1-MAY-81'

ORDER BY HIREDATE;

9.

SELECT ename,deptno

FROM emp

WHERE deptno=10 OR deptno=30

ORDER BY ename;

10.

SELECT ename,HIREDATE

FROM emp

WHERE HIREDATE LIKE'%82';

11.

SELECT ename,job

FROM emp

WHERE MGR IS null;

12.

// DUAL not working in w3s

13.

SELECT ename

FROM emp

WHERE job IS NOT "MANAGER" AND HIREDATE<( SELECT HIREDATE

FROM emp

WHERE job IS "MANAGER");

14.

SELECT COUNT(DISTINCT empno)"Number of managers"

FROM emp

WHERE job='MANAGER';

15.

SELECT \*

FROM emp

WHERE deptno=20 OR deptno=30 OR deptno=40;

16.

SELECT ename

FROM emp

WHERE ename like "T%R";

17.

SELECT ename,HIREDATE

FROM emp

WHERE deptno=30 AND job = 'MANAGER';

18.

// not working in w3s

SELECT DATE\_FORMAT(hiredate,”%m/%d/%y”)

FROM emp;

19.

// not working in w3s

SELECT DATE\_FORMAT(hiredate,”the %D of %M %Y”)

FROM emp;

20.

SELECT ename

FROM emp

WHERE HIREDATE LIKE '%DEC%';

21.

SELECT job,deptno,AVG(sal) AS Average\_Salary

from emp

GROUP BY job,deptno;

22.

SELECT COUNT(deptno)

FROM emp

WHERE sal>=0 AND comm>=0 AND deptno=30;

23.

SELECT AVG(sal) AS AverageSalary,

MIN(sal) AS MinimumSalary,

MAX(sal) AS MaximumSalary

FROM emp

WHERE job='CLERK' OR job='MANAGER';

24.

SELECT deptno

FROM emp

WHERE job='CLERK'

GROUP BY deptno

HAVING COUNT(\*) > 1;

25.

SELECT ename

FROM emp

WHERE

sal<(SELECT sal\*0.30

FROM emp

WHERE job='PRESIDENT');

26.

SELECT COUNT(ename)

FROM emp

WHERE deptno=

( SELECT deptno

FROM dept

WHERE loc='CHICAGO');

27.

SELECT ename

FROM emp

WHERE deptno=

( SELECT deptno

FROM dept

WHERE loc='CHICAGO');

28.

SELECT e.ename, d.loc

FROM emp e, dept d

WHERE e.deptno=d.deptno

ORDER BY d.loc;

29.

SELECT COUNT(DISTINCT empno) AS EMPLOYEES,

COUNT(DISTINCT dname) AS DEPARTMENTS

FROM emp,dept;

30.

SELECT AVG(sal)

FROM emp;

31.

SELECT COUNT(DISTINCT dname) AS Departments

FROM dept;

32.

SELECT d.deptno, d.dname, d.loc,SUM(e.comm) AS Total\_Commission,

SUM(e.sal) AS Total\_salary

FROM dept d, emp e

WHERE d.deptno=e.deptno

GROUP BY e.deptno;

33.

SELECT ename, job, sal\*12

FROM emp;

34.

SELECT ename,job,comm

FROM emp

WHERE comm=0;

35.

SELECT ename,job,comm

FROM emp

WHERE comm IS NOT null;

36.

SELECT ename, job, sal

FROM emp

WHERE ename LIKE '\_\_R%';

37.

SELECT \*

FROM emp

WHERE length(ename)>=5;

38.

SELECT \*

FROM emp

WHERE length(ename)<5;

39.

SELECT ename

FROM emp

WHERE ename LIKE '%AR%';

40.

SELECT \*

FROM emp

WHERE deptno=30

ORDER BY sal;

41.

SELECT ename, sal

FROM emp

WHERE sal BETWEEN 1250 AND 1600;

42.

SELECT ename,sal

FROM emp

WHERE sal <1250 OR sal>1600;

43.

SELECT SUM(sal)+SUM(comm)

FROM emp;

44.

SELECT COUNT (empno)

FROM emp

WHERE job IS NOT null;

45.

SELECT MIN(sal),MAX(sal)

FROM emp;

46.

SELECT empno AS 'Emp#',

ename AS Employee,

sal AS Salary,

job AS Job,

HIREDATE AS 'Date of Hire',

comm AS Commission,

deptno AS 'Department No',

mgr AS 'MGR No'

FROM emp;

47.

// date issue in w3s

SELECT MAX(HIREDATE) AS 'Earliest\_Date',

MIN(HIREDATE) AS 'Latest\_Date'

FROM emp;

48.

SELECT COUNT(ename)

FROM emp

WHERE deptno=10;

49.

SELECT ename, job

FROM emp

WHERE deptno= (SELECT deptno

FROM dept

WHERE loc="NEW YORK"

AND comm>10);

50.

// not working in w3s

a) SELECT DATE\_FORMAT(hiredate,”%W %M %d, %Y”)

FROM emp;

b) SELECT DATE\_FORMAT(hiredate,”%a %d %b %Y”)

FROM emp;

c) SELECT DATE\_FORMAT(hiredate,”%W %D %M %Y”)

FROM emp;