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SQL Assignment No.01

1. Write a query to list all the employees who are working as clerk

```
SELECT ENAME, JOB  
FROM EMP  
WHERE JOB = 'CLERK';
```

2. Write a query to list the employees who are working as clerks or managers

```
SELECT ENAME, JOB  
FROM EMP  
WHERE JOB IN ('CLERK', 'MANAGER');
```

3. Write a query to get the current date

```
SELECT CURRENT_TIMESTAMP;
```

4. Write a query to list the employees whose salaries are within the range of 500 and 1000

```
SELECT ENAME, SAL  
FROM EMP  
WHERE SAL BETWEEN 500 AND 1000;
```

5. Write a query to list the employees who have joined in the month of December

```
SELECT ENAME, HIREDATE  
FROM EMP  
WHERE HIREDATE LIKE '%DEC%';
```

6. Write a query to list the employees whose salaries are not within the range of 1000 and 2500

```
SELECT ENAME, SAL  
FROM EMP  
WHERE SAL NOT BETWEEN 1000 AND 2500;
```

7. Write a query who are getting 800, 950, 3000,5000

```
SELECT ENAME, SAL
FROM EMP
WHERE SAL IN (800, 950, 3000, 5000);
```

8. To list all the employees whose names are having 'L' as second character

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE '_L%';
```

9. To list all the employees whose names are having 'D' as last character

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE '%D';
```

10. To list all the employees whose names are having just 5 characters as length?

```
SELECT ENAME
FROM EMP
WHERE LENGTH(ENAME) = 5;
```

11. To list all the employees whose names are starting with 'T' and ending with 'R'

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE 'T%R';
```

12. Display those employees who's name contains "A"?

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE '%A%';
```

13. Display those employee who joined the company before 19th of the month?

```
SELECT ENAME, HIREDATE
FROM EMP
WHERE TO_CHAR(HIREDATE,'DD') < 19;
```

14. What is the employee number of 'James'

```
SELECT EMPNO, ENAME
FROM EMP
WHERE ENAME = 'JAMES';
```

15. What is the salary of 'king'?

```
SELECT EMPNO, ENAME, SAL
FROM EMP
WHERE ENAME = 'KING';
```

16. Who is the President for organization?

```
SELECT ENAME, JOB
FROM EMP
WHERE JOB = 'PRESIDENT';
```

17. List all details of all the managers?

```
SELECT *
FROM EMP
WHERE JOB = 'MANAGER';
```

18. Give employee details for employees drawing commission?

```
SELECT *
FROM EMP
WHERE COMM IS NOT NULL;
```

19. List employees who joined before april-1981?

```
SELECT ENAME, JOB, HIREDATE
FROM EMP
WHERE HIREDATE < ('01-APR-81');
```

20. What is the salary of following:

```
SELECT ENAME, SAL
FROM EMP
WHERE ENAME IN ('KING', 'BLAKE', 'FORD', 'SMITH');
```

21. King, Blake, Ford, Smith

Question Not Clear.

22. Who is drawing salary less than 3500

```
SELECT ENAME, SAL
FROM EMP
WHERE SAL < 3500;
```

23. List the details of all the clerks

```
SELECT *
FROM EMP
WHERE JOB = 'CLERK';
```

24. what is the annual salary for each the employees

```
SELECT ENAME, SAL AS 'MONTHLY SALARY', SAL*12 AS 'ANNUAL  
SALARY'  
FROM EMP;
```

25. if there is a hike in monthly salary by 20% for ford, what
will be his annual Salary

```
SELECT ENAME, SAL, SAL+(SAL*20/100) AS 'HIKED_SALARY',  
(SAL+(SAL*20/100))*12 AS 'ANNUAL SALARY'  
FROM EMP  
WHERE ENAME='FORD';
```

26. What is the total salary for each department

```
SELECT E.DEPTNO, D.DNAME, SUM(SAL) AS 'TOTAL SALARY'  
FROM EMP E, DEPT D  
WHERE E.DEPTNO = D.DEPTNO  
GROUP BY E.DEPTNO;
```

27. Who is drawing the lowest salary in dept 10

```
SELECT ENAME, MIN(SAL) AS 'LOWEST SALARY'  
FROM EMP  
WHERE DEPTNO = 10;
```

28. What is the average salary for Managers

```
SELECT JOB, ROUND(AVG(SAL),2) AS 'AVERAGE SALARY'  
FROM EMP  
WHERE JOB = 'MANAGER';
```

29. What is the total salary for salesman

```
SELECT JOB, SUM(SAL) AS 'TOTAL SALARY'  
FROM EMP  
WHERE JOB = 'SALESMAN';
```

30. Which department is having the lowest average salary?

```
SELECT DEPTNO, AVG(SAL) AS 'LOW_AVG_SALARY'  
FROM EMP  
GROUP BY DEPTNO  
HAVING AVG(SAL)< (SELECT AVG(SAL) FROM EMP);
```

31. How many persons are in each role

```
SELECT JOB, COUNT(*) AS 'NO_OF_PERSONS'  
FROM EMP  
GROUP BY JOB;
```

32. What is the highest salary among analyst

```
SELECT JOB, MAX(SAL) AS 'HIGHEST SALARY'  
FROM EMP  
WHERE JOB = 'ANALYST';
```

33. What is the highest commission paid

```
SELECT ENAME, MAX(COMM) AS 'HIGHEST_COMMISSION'  
FROM EMP;
```

34. How many departments are there

```
SELECT COUNT(DEPTNO) AS 'NO_OF_DEPARTMENTS'  
FROM DEPT;
```

35. List the names in which 3rd character is L

```
SELECT ENAME  
FROM EMP  
WHERE ENAME LIKE '__L%';
```