**Assignment No.3**

Name: - Bhavin Ratansing Patil

Roll No.: - 26 SEDA

**Que 1. Perform the following queries.**

1. Display all the information of the EMP table?

SELECT \* FROM EMP;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| More than 10 rows available. Increase rows selector to view more rows. | | | | | | | |

2. Display unique Jobs from EMP table?

SELECT DISTINCT JOB FROM EMP WHERE DEPTNO IS NOT NULL;

|  |
| --- |
| **JOB** |
| CLERK |
| SALESMAN |
| PRESIDENT |
| MANAGER |
| ANALYST |
|  |  |

3. List the emps in the asc order of their Salaries?

SELECT \* FROM EMP ORDER BY SAL ASC;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| More than 10 rows available. Increase rows selector to view more rows. | | | | | | | |

4. List the details of the emps in asc order of the Dptnos and desc of Jobs?

SELECT \* FROM EMP ORDER BY DEPTNO, JOB DESC;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| More than 10 rows available. Increase rows selector to view more rows. | | | | | | | |

5. Display all the unique job groups in the descending order?

SELECT DISTINCT JOB FROM EMP WHERE DEPTNO IS NOT NULL ORDER BY JOB DESC;

|  |
| --- |
| **JOB** |
| SALESMAN |
| PRESIDENT |
| MANAGER |
| CLERK |
| ANALYST |

6. Display all the details of all ‘Mgrs’

SELECT \* FROM EMP WHERE EMPNO IN (SELECT MGR FROM EMP);

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |

7. List the emps who joined before 1981.

SELECT \* FROM EMP WHERE HIREDATE < ('1-1-1981');

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |

8. List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.

SELECT EMPNO, ENAME, SAL, SAL/30 AS DAILYSAL FROM EMP ORDER BY SAL\*12;

|  |  |  |  |
| --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **SAL** | **DAILYSAL** |
| 7369 | SMITH | 800 | 26.6666666666666666666666666666666666667 |
| 7900 | JAMES | 950 | 31.6666666666666666666666666666666666667 |
| 7876 | ADAMS | 1100 | 36.6666666666666666666666666666666666667 |
| 7654 | MARTIN | 1250 | 41.6666666666666666666666666666666666667 |
| 7521 | WARD | 1250 | 41.6666666666666666666666666666666666667 |
| 7934 | MILLER | 1300 | 43.3333333333333333333333333333333333333 |
| 7844 | TURNER | 1500 | 50 |
| 7499 | ALLEN | 1600 | 53.3333333333333333333333333333333333333 |
| 7782 | CLARK | 2450 | 81.6666666666666666666666666666666666667 |
| 7698 | BLAKE | 2850 | 95 |
| 7566 | JONES | 2975 | 99.1666666666666666666666666666666666667 |
| 7902 | FORD | 3000 | 100 |
| 7788 | SCOTT | 3000 | 100 |
| 7839 | KING | 5000 | 166.666666666666666666666666666666666667 |

9. List the Empno, Ename, Sal, Exp of all emps working for Mgr 7369.

SELECT EMPNO, ENAME, SAL, HIREDATE FROM EMP WHERE MGR = 7369;

no data found

10. Display all the details of the emps whose Comm. Is more than their Sal.

SELECT \* FROM EMP WHERE COMM > SAL;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |

11. List the emps in the asc order of Designations of those joined after the second half of 1981.

SELECT \* FROM EMP WHERE HIREDATE > ('06/30/1981') ORDER BY JOB;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |

12. List the emps along with their Exp and Daily Sal is more than Rs.100.

SELECT \* FROM EMP WHERE (SAL/30)>100;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |

13. List the emps who are either ‘CLERK’ or ‘ANALYST’ in the Desc order.

SELECT \* FROM EMP WHERE JOB = 'CLERK' OR JOB = 'ANALYST' ORDER BY JOB DESC;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |

14. List the emps who joined on 1-MAY-81,3-DEC-81,17-DEC-81,19-JAN-80 in asc order of seniority.

SELECT \* FROM EMP WHERE HIREDATE=('05/01/81') AND HIREDATE=('12/03/81') AND HIREDATE=('01/19/80') ORDER BY JOB;

no data found

15. List the emp who are working for the Deptno 10 or20.

SELECT \* FROM EMP WHERE DEPTNO = 10 OR DEPTNO = 20;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |
|  |

16. List the emps who are joined in the year 81.

SELECT \* FROM EMP WHERE HIREDATE BETWEEN '01/01/1981' AND '12/31/1981';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |

17. List the emps who are joined in the month of Aug 1980.

SELECT \* FROM EMP WHERE HIREDATE BETWEEN '08/01/80' AND '8/31/80';

no data found

18. List the emps Who Annual sal ranging from 22000 and 45000.

SELECT \* FROM EMP WHERE SAL\*12 BETWEEN 22000 AND 45000;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |

19. List the Enames those are having five characters in their Names.

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

|  |
| --- |
| **ENAME** |
| BLAKE |
| CLARK |
| JONES |
| SCOTT |
| SMITH |
| ALLEN |
| ADAMS |
| JAMES |

20. List the Enames those are starting with ‘S’ and with five characters

SELECT ENAME FROM EMP WHERE LENGTH(ENAME)=5 AND ENAME LIKE 'S%';

|  |
| --- |
| **ENAME** |
| SCOTT |
| SMITH |

21. List the emps those are having four chars and third character must be ‘r’.

SELECT \* FROM EMP WHERE LENGTH(ENAME)=4 AND ENAME LIKE '\_\_R\_';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |

22. List the Five character names starting with ‘S’ and ending with ‘H

SELECT ENAME FROM EMP WHERE LENGTH(ENAME)=5 AND ENAME LIKE 'S%H';

|  |
| --- |
| **ENAME** |
| SMITH |

23. LIST THE EMPS WHO JOINED IN JANUARY.

SELECT \* FROM EMP WHERE TO\_CHAR(HIREDATE,'MON') = 'JAN';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |

24. List the emps who joined in the month of which second character is ‘a’.

SELECT \* FROM EMP WHERE TO\_CHAR(HIREDATE,'mon') LIKE '\_a%';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |

25. List the emps whose Sal is four digit number ending with Zero.

SELECT \* FROM EMP WHERE LENGTH(SAL)=4 AND SAL LIKE '\_\_\_0';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |

26. List the emps whose names having a character set ‘ll’ together.

SELECT \* FROM EMP WHERE ENAME LIKE '%LL%';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |

27. List the emps who does not belong to Deptno 20.

SELECT \* FROM EMP WHERE DEPTNO != 20;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |

28. List all the emps except ‘PRESIDENT’ & ‘MGR” in asc order of Salaries.

SELECT \* FROM EMP WHERE JOB != 'MANAGER' OR JOB != 'PRESIDENT' ORDER BY SAL ;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |

29. List all the emps who joined before or after 1981.

SELECT \* FROM EMP WHERE TO\_CHAR(HIREDATE,'YYYY') NOT IN 1981;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |

30. List the emps whose Empno not starting with digit78.

SELECT \* FROM EMP WHERE EMPNO NOT LIKE '78%';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |

31. List the emps who joined in any year but not belongs to the month of March.

SELECT \* FROM EMP WHERE TO\_CHAR(HIREDATE,'MON') NOT IN 'MARCH';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |

32. List all the Clerks of Deptno 20.

SELECT \* FROM EMP WHERE JOB='CLERK' AND DEPTNO=20;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |

33. List the emps of Deptno 30 or 10 joined in the year 1981.

SELECT \* FROM EMP WHERE (DEPTNO = 30 OR DEPTNO = 10) AND TO\_CHAR(HIREDATE,'YYYY') ='1981';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |

34. Display all the information of the EMP table who are working as a manager?

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |

35. List the emps who joined in the year 1980.

SELECT \* FROM EMP WHERE TO\_CHAR(HIREDATE,'YYYY') ='1980';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |

36. List the emps who does not belong to Deptno 30.

SELECT \* FROM EMP WHERE DEPTNO != 30;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |

37. List the emps who joined in any year but not belongs to the month of January.

SELECT \* FROM EMP WHERE TO\_CHAR(HIREDATE,'MON') NOT IN 'JAN';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 500 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 1400 | 30 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | - | 30 |

38. List the Enames those are starting with ‘A’ and with five characters

SELECT ENAME FROM EMP WHERE LENGTH(ENAME)=5 AND ENAME LIKE 'A%';

|  |
| --- |
| **ENAME** |
| ALLEN |
| ADAMS |

39. List the emps those are having third character must be ‘a’.

SELECT \* FROM EMP WHERE ENAME LIKE '\_\_A%';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
|  |

40. List the Enames those are having four characters in their Names.

SELECT ENAME FROM EMP WHERE LENGTH(ENAME)=4;

|  |
| --- |
| **ENAME** |
| KING |
| FORD |
| WARD |

41. List the Empno, Ename, Sal, Annual sal of all emps in the desc order of DailySal.

SELECT EMPNO, ENAME, SAL, SAL\*12 AS AnnualSalary FROM EMP ORDER BY SAL/30 DESC;

|  |  |  |  |
| --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **SAL** | **ANNUALSALARY** |
| 7839 | KING | 5000 | 60000 |
| 7788 | SCOTT | 3000 | 36000 |
| 7902 | FORD | 3000 | 36000 |
| 7566 | JONES | 2975 | 35700 |
| 7698 | BLAKE | 2850 | 34200 |
| 7782 | CLARK | 2450 | 29400 |
| 7499 | ALLEN | 1600 | 19200 |
| 7844 | TURNER | 1500 | 18000 |
| 7934 | MILLER | 1300 | 15600 |
| 7654 | MARTIN | 1250 | 15000 |
| 7521 | WARD | 1250 | 15000 |
| 7876 | ADAMS | 1100 | 13200 |
| 7900 | JAMES | 950 | 11400 |
| 7369 | SMITH | 800 | 9600 |

42. Display unique Manager IDs from EMP table?

SELECT DISTINCT MGR FROM EMP WHERE DEPTNO IS NOT NULL;

|  |
| --- |
| **MGR** |
| - |
| 7839 |
| 7782 |
| 7698 |
| 7902 |
| 7566 |
| 7788 |

43. List the emps who are not joined in the year 81.

SELECT \* FROM EMP WHERE TO\_CHAR(HIREDATE,'YYYY') != '1981';

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7934 | MILLER | CLERK | 7782 | 01/23/1982 | 1300 | - | 10 |