1. List the employees where deptno.Is neither 20 nor 30.

**select \* from emp**

**where NOT (deptno=20 OR deptno=30);**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | - | 10 |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |

1. List the employees whose managers are 7788,7839,7566.

**select \* from emp**

**where MGR IN (7788,7839,7566);**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 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 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |

1. List the employee whose name starts with “S”.

**select \* from emp**

**where ENAME LIKE 'S%';**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |

1. List the employee whose name ends with “E”

**select \* from emp**

**where ENAME LIKE '%E';**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | - | 30 |

1. List the employee whose name contains “U”.

**select \* from emp**

**where ENAME LIKE '%U%';**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 0 | 30 |

1. Show the employee who has no manager.

**select \* from emp**

**where MGR is NULL;**

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

1. List the employees where commission is not null.

**select \* from emp**

**where COMM IS NOT NULL;**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 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 |

1. List the employees with salary in descending order

**select \* from emp**

**ORDER BY SAL DESC;**

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

1. Name the salary as earning and order it as ascending.

**select EMPNO, ENAME, JOB, MGR, HIREDATE, SAL as "EARNING", COMM, EPTNO from emp**

**ORDER BY EARNING;**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **EARNING** | **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 |
| 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 |
| 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 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | - | 20 |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |

1. Show employee S-C--T.

**SELECT \* FROM emp**

**WHERE ENAME LIKE 'S\_C\_\_T';**

**no data found**

1. Show the output is like “King is a President”.

**select (ENAME|| ' is a '|| JOB ) as "Output" from emp**

|  |
| --- |
| **Output** |
| SMITH is a CLERK |
| ALLEN is a SALESMAN |
| WARD is a SALESMAN |
| JONES is a MANAGER |
| MARTIN is a SALESMAN |
| BLAKE is a MANAGER |
| CLARK is a MANAGER |
| SCOTT is a ANALYST |
| KING is a PRESIDENT |
| TURNER is a SALESMAN |
| ADAMS is a CLERK |
| JAMES is a CLERK |
| FORD is a ANALYST |

1. Show the output as “Clark is a Manager with Salary 950.

**select (ENAME|| ' is a '|| JOB ||' with salary '||SAL) as "Output" from emp**

|  |
| --- |
| **Output** |
| SMITH is a CLERK with salary 800 |
| ALLEN is a SALESMAN with salary 1600 |
| WARD is a SALESMAN with salary 1250 |
| JONES is a MANAGER with salary 2975 |
| MARTIN is a SALESMAN with salary 1250 |
| BLAKE is a MANAGER with salary 2850 |
| CLARK is a MANAGER with salary 2450 |
| SCOTT is a ANALYST with salary 3000 |
| KING is a PRESIDENT with salary 5000 |
| TURNER is a SALESMAN with salary 1500 |
| ADAMS is a CLERK with salary 1100 |
| JAMES is a CLERK with salary 950 |
| FORD is a ANALYST with salary 3000 |

1. Show the output of employees who has some commission. The output should be like “WARD IS A SALESMAN WITH 500 COMMISSION”.

**select (ENAME|| ' IS A '|| JOB ||' WITH '||COMM ||' COMMISSION') as "Output" from emp**

**where COMM IS NOT NULL;**

|  |
| --- |
| **Output** |
| ALLEN IS A SALESMAN WITH 300 COMMISSION |
| WARD IS A SALESMAN WITH 500 COMMISSION |
| MARTIN IS A SALESMAN WITH 1400 COMMISSION |
| TURNER IS A SALESMAN WITH 0 COMMISSION |

1. Show like “SMITH IS A CLERK WITH NO COMMISSION”.

**select (ENAME|| ' IS A '|| JOB ||' WITH NO ' ||' COMMISSION') as "Output" from emp**

**where COMM IS NULL;**

|  |
| --- |
| **Output** |
| SMITH IS A CLERK WITH NO COMMISSION |
| JONES IS A MANAGER WITH NO COMMISSION |
| BLAKE IS A MANAGER WITH NO COMMISSION |
| CLARK IS A MANAGER WITH NO COMMISSION |
| SCOTT IS A ANALYST WITH NO COMMISSION |
| KING IS A PRESIDENT WITH NO COMMISSION |
| ADAMS IS A CLERK WITH NO COMMISSION |
| JAMES IS A CLERK WITH NO COMMISSION |
| FORD IS A ANALYST WITH NO COMMISSION |

1. List all the Jobs.

**select DISTINCT JOB from emp**

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

1. List the employees with salary greater than 1600 but should not be a manager or president.

**select \* from emp**

**where (SAL>1600) AND (NOT ((JOB='MANAGER' OR JOB ='PRESIDENT')));**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |

1. Show the employees 20% Salary.

**select EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, ((SAL\*20)/100) as "20 % Salary", COMM, DEPTNO from emp**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **20 % Salary** | **COMM** | **DEPTNO** |
| 7369 | SMITH | CLERK | 7902 | 12/17/1980 | 800 | 160 | - | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 02/20/1981 | 1600 | 320 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 02/22/1981 | 1250 | 250 | 500 | 30 |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | 595 | - | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 09/28/1981 | 1250 | 250 | 1400 | 30 |
| 7698 | BLAKE | MANAGER | 7839 | 05/01/1981 | 2850 | 570 | - | 30 |
| 7782 | CLARK | MANAGER | 7839 | 06/09/1981 | 2450 | 490 | - | 10 |
| 7788 | SCOTT | ANALYST | 7566 | 12/09/1982 | 3000 | 600 | - | 20 |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | 1000 | - | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 09/08/1981 | 1500 | 300 | 0 | 30 |
| 7876 | ADAMS | CLERK | 7788 | 01/12/1983 | 1100 | 220 | - | 20 |
| 7900 | JAMES | CLERK | 7698 | 12/03/1981 | 950 | 190 | - | 30 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | 600 | - | 20 |

1. Show the salary of Scott and Ford.

**select ENAME, SAL from emp**

**where ((ENAME ='SCOTT') or (ENAME='FORD'));**

|  |  |
| --- | --- |
| **ENAME** | **SAL** |
| SCOTT | 3000 |
| FORD | 3000 |

1. Show the list of employees with alphabetically arranged names.

**select \* from emp**

**ORDER BY ENAME;**

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

1. Show those employees who has salary greater than 2000

**select \* from emp**

**where sal>2000;**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7566 | JONES | MANAGER | 7839 | 04/02/1981 | 2975 | - | 20 |
| 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 |
| 7839 | KING | PRESIDENT | - | 11/17/1981 | 5000 | - | 10 |
| 7902 | FORD | ANALYST | 7566 | 12/03/1981 | 3000 | - | 20 |