1. To display the employee name, department name, and location of all employees who earn salary greater than 500.

Sol:

select e.ename , d.dname , d.loc from emp e , dept d where e.deptno = d.deptno and e.sal > 500

|  |  |  |
| --- | --- | --- |
| **ENAME** | **DNAME** | **LOC** |
| SMITH | RESEARCH | DALLAS |
| SA\_Q | SALES | CHICAGO |
| WARD | SALES | CHICAGO |
| JONES | RESEARCH | DALLAS |
| MARTIN | SALES | CHICAGO |
| BLAKE | SALES | CHICAGO |
| CLARK | ACCOUNTING | NEW YORK |
| SCOTT | RESEARCH | DALLAS |
| KING | ACCOUNTING | NEW YORK |
| TURNER | SALES | CHICAGO |
| ADAMS | RESEARCH | DALLAS |
| JAMES | SALES | CHICAGO |
| FORD | RESEARCH | DALLAS |
| MILLER | ACCOUNTING | NEW YORK |
| **ENAME** | **DNAME** | **LOC** |
| ABBAS | ACCOUNTING | NEW YORK |
| ANIS | ACCOUNTING | NEW YORK |
| test | ACCOUNTING | NEW YORK |
| ehsan | ACCOUNTING | NEW YORK |
| RIZ | ACCOUNTING | NEW YORK |
| Nilsen | ACCOUNTING | NEW YORK |

2. Write a query to display product of employee and department table.

Sol:

select \* from emp , dept ;

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** | **DEPTNO** | **DNAME** | **LOC** |
| 7369 | SMITH | CLERK | 7902 | 17-DEC-80 | 800 |  | 20 | 10 | ACCOUNTING | NEW YORK |
| 7499 | SA\_Q | SALESMAN | 7698 | 20-FEB-81 | 7600 | 300 | 30 | 10 | ACCOUNTING | NEW YORK |
| 7521 | WARD | SALESMAN | 7698 | 22-FEB-81 | 7250 | 500 | 30 | 10 | ACCOUNTING | NEW YORK |
| 7566 | JONES | MANAGER | 7839 | 02-APR-81 | 2975 |  | 20 | 10 | ACCOUNTING | NEW YORK |
| 7654 | MARTIN | SALESMAN | 7698 | 28-SEP-81 | 7250 | 1400 | 30 | 10 | ACCOUNTING | NEW YORK |
| 7698 | BLAKE | MANAGER | 7839 | 01-MAY-81 | 2850 |  | 30 | 10 | ACCOUNTING | NEW YORK |
| 7782 | CLARK | MANAGER | 7839 | 09-JUN-81 | 2450 |  | 10 | 10 | ACCOUNTING | NEW YORK |
| 7788 | SCOTT | ANALYST | 7566 | 19-APR-87 | 3000 |  | 20 | 10 | ACCOUNTING | NEW YORK |
| 7839 | KING | PRESIDENT |  | 17-NOV-81 | 5000 |  | 10 | 10 | ACCOUNTING | NEW YORK |
| 7844 | TURNER | SALESMAN | 7698 | 08-SEP-81 | 7500 | 0 | 30 | 10 | ACCOUNTING | NEW YORK |
| 7876 | ADAMS | CLERK | 7788 | 23-MAY-87 | 1100 |  | 20 | 10 | ACCOUNTING | NEW YORK |
| 7900 | JAMES | CLERK | 7698 | 03-DEC-81 | 950 |  | 30 | 10 | ACCOUNTING | NEW YORK |
| 7902 | FORD | ANALYST | 7566 | 03-DEC-81 | 3000 |  | 20 | 10 | ACCOUNTING | NEW YORK |
| 7934 | MILLER | CLERK | 7782 | 23-JAN-82 | 1300 |  | 10 | 10 | ACCOUNTING | NEW YORK |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** | **DEPTNO** | **DNAME** | **LOC** |
| 7444 | ABBAS | operator | 4555 | 12-JAN-92 | 10000 | 123 | 10 | 10 | ACCOUNTING | NEW YORK |
| 1234 | usama | CHOKIDAR | 1234 | 25-DEC-13 | 10 | 123 | 10 | 10 | ACCOUNTING | NEW YORK |
| 420 | BUTT | masi | 9211 | 15-AUG-47 | 2 | 123 | 10 | 10 | ACCOUNTING | NEW YORK |
| 7010 | PArri | cleaner |  | 15-FEB-29 | 50 | 0 | 20 | 10 | ACCOUNTING | NEW YORK |
| 744 | ANIS | OPERATOR | 777 | 12-JAN-92 | 4500 | 123 | 10 | 10 | ACCOUNTING | NEW YORK |
| 1111 | test | TEST | 1111 | 01-JAN-46 | 7999 | 3 | 10 | 10 | ACCOUNTING | NEW YORK |
| 2222 | ehsan | manager | 5555 | 12-JAN-12 | 5555 | 444 | 10 | 10 | ACCOUNTING | NEW YORK |
| 7441 | RIZ | CEO | 7921 | 08-JAN-93 | 800 | 2000 | 10 | 10 | ACCOUNTING | NEW YORK |
| 1 | SHAHBAZ | MANAGER | 2 | 03-FEB-14 | 4000 | 200 |  | 10 | ACCOUNTING | NEW YORK |
| 7890 | Nilsen | CLERK | 7521 | 17-FEB-93 | 8500 | 200 | 10 | 10 | ACCOUNTING | NEW YORK |
| 7369 | SMITH | CLERK | 7902 | 17-DEC-80 | 800 |  | 20 | 20 | RESEARCH | DALLAS |
| 7499 | SA\_Q | SALESMAN | 7698 | 20-FEB-81 | 7600 | 300 | 30 | 20 | RESEARCH | DALLAS |
| 7521 | WARD | SALESMAN | 7698 | 22-FEB-81 | 7250 | 500 | 30 | 20 | RESEARCH | DALLAS |
| 7566 | JONES | MANAGER | 7839 | 02-APR-81 | 2975 |  | 20 | 20 | RESEARCH | DALLAS |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** | **DEPTNO** | **DNAME** | **LOC** |
| 7654 | MARTIN | SALESMAN | 7698 | 28-SEP-81 | 7250 | 1400 | 30 | 20 | RESEARCH | DALLAS |
| 7698 | BLAKE | MANAGER | 7839 | 01-MAY-81 | 2850 |  | 30 | 20 | RESEARCH | DALLAS |
| 7782 | CLARK | MANAGER | 7839 | 09-JUN-81 | 2450 |  | 10 | 20 | RESEARCH | DALLAS |
| 7788 | SCOTT | ANALYST | 7566 | 19-APR-87 | 3000 |  | 20 | 20 | RESEARCH | DALLAS |
| 7839 | KING | PRESIDENT |  | 17-NOV-81 | 5000 |  | 10 | 20 | RESEARCH | DALLAS |
| 7844 | TURNER | SALESMAN | 7698 | 08-SEP-81 | 7500 | 0 | 30 | 20 | RESEARCH | DALLAS |
| 7876 | ADAMS | CLERK | 7788 | 23-MAY-87 | 1100 |  | 20 | 20 | RESEARCH | DALLAS |
| 7900 | JAMES | CLERK | 7698 | 03-DEC-81 | 950 |  | 30 | 20 | RESEARCH | DALLAS |
| 7902 | FORD | ANALYST | 7566 | 03-DEC-81 | 3000 |  | 20 | 20 | RESEARCH | DALLAS |
| 7934 | MILLER | CLERK | 7782 | 23-JAN-82 | 1300 |  | 10 | 20 | RESEARCH | DALLAS |
| 7444 | ABBAS | operator | 4555 | 12-JAN-92 | 10000 | 123 | 10 | 20 | RESEARCH | DALLAS |
| 1234 | usama | CHOKIDAR | 1234 | 25-DEC-13 | 10 | 123 | 10 | 20 | RESEARCH | DALLAS |
| 420 | BUTT | masi | 9211 | 15-AUG-47 | 2 | 123 | 10 | 20 | RESEARCH | DALLAS |
| 7010 | PArri | cleaner |  | 15-FEB-29 | 50 | 0 | 20 | 20 | RESEARCH | DALLAS |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** | **DEPTNO** | **DNAME** | **LOC** |
| 744 | ANIS | OPERATOR | 777 | 12-JAN-92 | 4500 | 123 | 10 | 20 | RESEARCH | DALLAS |
| 1111 | test | TEST | 1111 | 01-JAN-46 | 7999 | 3 | 10 | 20 | RESEARCH | DALLAS |
| 2222 | ehsan | manager | 5555 | 12-JAN-12 | 5555 | 444 | 10 | 20 | RESEARCH | DALLAS |
| 7441 | RIZ | CEO | 7921 | 08-JAN-93 | 800 | 2000 | 10 | 20 | RESEARCH | DALLAS |
| 1 | SHAHBAZ | MANAGER | 2 | 03-FEB-14 | 4000 | 200 |  | 20 | RESEARCH | DALLAS |
| 7890 | Nilsen | CLERK | 7521 | 17-FEB-93 | 8500 | 200 | 10 | 20 | RESEARCH | DALLAS |
| 7369 | SMITH | CLERK | 7902 | 17-DEC-80 | 800 |  | 20 | 30 | SALES | CHICAGO |
| 7499 | SA\_Q | SALESMAN | 7698 | 20-FEB-81 | 7600 | 300 | 30 | 30 | SALES | CHICAGO |
| 7521 | WARD | SALESMAN | 7698 | 22-FEB-81 | 7250 | 500 | 30 | 30 | SALES | CHICAGO |
| 7566 | JONES | MANAGER | 7839 | 02-APR-81 | 2975 |  | 20 | 30 | SALES | CHICAGO |
| 7654 | MARTIN | SALESMAN | 7698 | 28-SEP-81 | 7250 | 1400 | 30 | 30 | SALES | CHICAGO |
| 7698 | BLAKE | MANAGER | 7839 | 01-MAY-81 | 2850 |  | 30 | 30 | SALES | CHICAGO |
| 7782 | CLARK | MANAGER | 7839 | 09-JUN-81 | 2450 |  | 10 | 30 | SALES | CHICAGO |
| 7788 | SCOTT | ANALYST | 7566 | 19-APR-87 | 3000 |  | 20 | 30 | SALES | CHICAGO |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** | **DEPTNO** | **DNAME** | **LOC** |
| 7839 | KING | PRESIDENT |  | 17-NOV-81 | 5000 |  | 10 | 30 | SALES | CHICAGO |
| 7844 | TURNER | SALESMAN | 7698 | 08-SEP-81 | 7500 | 0 | 30 | 30 | SALES | CHICAGO |
| 7876 | ADAMS | CLERK | 7788 | 23-MAY-87 | 1100 |  | 20 | 30 | SALES | CHICAGO |
| 7900 | JAMES | CLERK | 7698 | 03-DEC-81 | 950 |  | 30 | 30 | SALES | CHICAGO |
| 7902 | FORD | ANALYST | 7566 | 03-DEC-81 | 3000 |  | 20 | 30 | SALES | CHICAGO |
| 7934 | MILLER | CLERK | 7782 | 23-JAN-82 | 1300 |  | 10 | 30 | SALES | CHICAGO |
| 7444 | ABBAS | operator | 4555 | 12-JAN-92 | 10000 | 123 | 10 | 30 | SALES | CHICAGO |
| 1234 | usama | CHOKIDAR | 1234 | 25-DEC-13 | 10 | 123 | 10 | 30 | SALES | CHICAGO |
| 420 | BUTT | masi | 9211 | 15-AUG-47 | 2 | 123 | 10 | 30 | SALES | CHICAGO |
| 7010 | PArri | cleaner |  | 15-FEB-29 | 50 | 0 | 20 | 30 | SALES | CHICAGO |
| 744 | ANIS | OPERATOR | 777 | 12-JAN-92 | 4500 | 123 | 10 | 30 | SALES | CHICAGO |
| 1111 | test | TEST | 1111 | 01-JAN-46 | 7999 | 3 | 10 | 30 | SALES | CHICAGO |
| 2222 | ehsan | manager | 5555 | 12-JAN-12 | 5555 | 444 | 10 | 30 | SALES | CHICAGO |
| 7441 | RIZ | CEO | 7921 | 08-JAN-93 | 800 | 2000 | 10 | 30 | SALES | CHICAGO |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** | **DEPTNO** | **DNAME** | **LOC** |
| 1 | SHAHBAZ | MANAGER | 2 | 03-FEB-14 | 4000 | 200 |  | 30 | SALES | CHICAGO |
| 7890 | Nilsen | CLERK | 7521 | 17-FEB-93 | 8500 | 200 | 10 | 30 | SALES | CHICAGO |
| 7369 | SMITH | CLERK | 7902 | 17-DEC-80 | 800 |  | 20 | 40 | OPERATIONS | BOSTON |
| 7499 | SA\_Q | SALESMAN | 7698 | 20-FEB-81 | 7600 | 300 | 30 | 40 | OPERATIONS | BOSTON |
| 7521 | WARD | SALESMAN | 7698 | 22-FEB-81 | 7250 | 500 | 30 | 40 | OPERATIONS | BOSTON |
| 7566 | JONES | MANAGER | 7839 | 02-APR-81 | 2975 |  | 20 | 40 | OPERATIONS | BOSTON |
| 7654 | MARTIN | SALESMAN | 7698 | 28-SEP-81 | 7250 | 1400 | 30 | 40 | OPERATIONS | BOSTON |
| 7698 | BLAKE | MANAGER | 7839 | 01-MAY-81 | 2850 |  | 30 | 40 | OPERATIONS | BOSTON |
| 7782 | CLARK | MANAGER | 7839 | 09-JUN-81 | 2450 |  | 10 | 40 | OPERATIONS | BOSTON |
| 7788 | SCOTT | ANALYST | 7566 | 19-APR-87 | 3000 |  | 20 | 40 | OPERATIONS | BOSTON |
| 7839 | KING | PRESIDENT |  | 17-NOV-81 | 5000 |  | 10 | 40 | OPERATIONS | BOSTON |
| 7844 | TURNER | SALESMAN | 7698 | 08-SEP-81 | 7500 | 0 | 30 | 40 | OPERATIONS | BOSTON |
| 7876 | ADAMS | CLERK | 7788 | 23-MAY-87 | 1100 |  | 20 | 40 | OPERATIONS | BOSTON |
| 7900 | JAMES | CLERK | 7698 | 03-DEC-81 | 950 |  | 30 | 40 | OPERATIONS | BOSTON |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** | **DEPTNO** | **DNAME** | **LOC** |
| 7902 | FORD | ANALYST | 7566 | 03-DEC-81 | 3000 |  | 20 | 40 | OPERATIONS | BOSTON |
| 7934 | MILLER | CLERK | 7782 | 23-JAN-82 | 1300 |  | 10 | 40 | OPERATIONS | BOSTON |
| 7444 | ABBAS | operator | 4555 | 12-JAN-92 | 10000 | 123 | 10 | 40 | OPERATIONS | BOSTON |
| 1234 | usama | CHOKIDAR | 1234 | 25-DEC-13 | 10 | 123 | 10 | 40 | OPERATIONS | BOSTON |
| 420 | BUTT | masi | 9211 | 15-AUG-47 | 2 | 123 | 10 | 40 | OPERATIONS | BOSTON |
| 7010 | PArri | cleaner |  | 15-FEB-29 | 50 | 0 | 20 | 40 | OPERATIONS | BOSTON |
| 744 | ANIS | OPERATOR | 777 | 12-JAN-92 | 4500 | 123 | 10 | 40 | OPERATIONS | BOSTON |
| 1111 | test | TEST | 1111 | 01-JAN-46 | 7999 | 3 | 10 | 40 | OPERATIONS | BOSTON |
| 2222 | ehsan | manager | 5555 | 12-JAN-12 | 5555 | 444 | 10 | 40 | OPERATIONS | BOSTON |
| 7441 | RIZ | CEO | 7921 | 08-JAN-93 | 800 | 2000 | 10 | 40 | OPERATIONS | BOSTON |
| 1 | SHAHBAZ | MANAGER | 2 | 03-FEB-14 | 4000 | 200 |  | 40 | OPERATIONS | BOSTON |
| 7890 | Nilsen | CLERK | 7521 | 17-FEB-93 | 8500 | 200 | 10 | 40 | OPERATIONS | BOSTON |

3. Display all Departments name and locations and employee names who work in that department.

Sol:

select d.dname , d.loc , e.ename from emp e,dept d where e.deptno = d.deptno order by d.dname

|  |  |  |
| --- | --- | --- |
| **DNAME** | **LOC** | **ENAME** |
| ACCOUNTING | NEW YORK | CLARK |
| ACCOUNTING | NEW YORK | KING |
| ACCOUNTING | NEW YORK | ABBAS |
| ACCOUNTING | NEW YORK | MILLER |
| ACCOUNTING | NEW YORK | usama |
| ACCOUNTING | NEW YORK | ANIS |
| ACCOUNTING | NEW YORK | ehsan |
| ACCOUNTING | NEW YORK | Nilsen |
| ACCOUNTING | NEW YORK | RIZ |
| ACCOUNTING | NEW YORK | test |
| ACCOUNTING | NEW YORK | BUTT |
| RESEARCH | DALLAS | SMITH |
| RESEARCH | DALLAS | ADAMS |
| RESEARCH | DALLAS | FORD |
| **DNAME** | **LOC** | **ENAME** |
| RESEARCH | DALLAS | SCOTT |
| RESEARCH | DALLAS | PArri |
| RESEARCH | DALLAS | JONES |
| SALES | CHICAGO | SA\_Q |
| SALES | CHICAGO | BLAKE |
| SALES | CHICAGO | MARTIN |
| SALES | CHICAGO | JAMES |
| SALES | CHICAGO | TURNER |
| SALES | CHICAGO | WARD |

4. To display all the employee’s name (including KING who has no manager) and their manager name.

Sol:

select e.ename "Employee", m.ename "Manager" from emp e left join emp m on (e.mgr = m.empno) order by e.empno;

|  |  |
| --- | --- |
| **Employee** | **Manager** |
| SHAHBAZ |  |
| BUTT |  |
| ANIS |  |
| test | test |
| usama | usama |
| ehsan |  |
| PArri |  |
| SMITH | FORD |
| RIZ |  |
| ABBAS |  |
| SA\_Q | BLAKE |
| WARD | BLAKE |
| JONES | KING |
| MARTIN | BLAKE |
| **Employee** | **Manager** |
| BLAKE | KING |
| CLARK | KING |
| SCOTT | JONES |
| KING |  |
| TURNER | BLAKE |
| ADAMS | SCOTT |
| Nilsen | WARD |
| JAMES | BLAKE |
| FORD | JONES |
| MILLER | CLARK |

5. Create a unique listing of all jobs that in department 30. Include the location of department 30 in the Output.

Sol:

SELECT DISTINCT E.job, D.loc FROM emp E, dept D WHERE E.deptno = D.deptno AND E.deptno = 30;

|  |  |
| --- | --- |
| **JOB** | **LOC** |
| CLERK | CHICAGO |
| MANAGER | CHICAGO |
| SALESMAN | CHICAGO |

6. Write a query to display the name, job, department number and department name for all employees who work in DALLAS.

Sol:

SELECT e.ename , e.job , e.deptno , d.dname from emp e , dept d where e.deptno = d.deptno and d.loc = 'DALLAS' ;

|  |  |  |  |
| --- | --- | --- | --- |
| **ENAME** | **JOB** | **DEPTNO** | **DNAME** |
| SMITH | CLERK | 20 | RESEARCH |
| JONES | MANAGER | 20 | RESEARCH |
| SCOTT | ANALYST | 20 | RESEARCH |
| ADAMS | CLERK | 20 | RESEARCH |
| FORD | ANALYST | 20 | RESEARCH |
| PArri | cleaner | 20 | RESEARCH |

7. Write a query to find the name of each employee’s manager.

SELECT E.ENAME ||' WORKS FOR '|| M.ENAME "employee and manager" FROM EMP E, EMP M WHERE E.MGR = M.EMPNO;

|  |
| --- |
| **employee and manager** |
| SMITH WORKS FOR FORD |
| SA\_Q WORKS FOR BLAKE |
| WARD WORKS FOR BLAKE |
| JONES WORKS FOR KING |
| MARTIN WORKS FOR BLAKE |
| BLAKE WORKS FOR KING |
| CLARK WORKS FOR KING |
| SCOTT WORKS FOR JONES |
| TURNER WORKS FOR BLAKE |
| ADAMS WORKS FOR SCOTT |
| JAMES WORKS FOR BLAKE |
| FORD WORKS FOR JONES |
| MILLER WORKS FOR CLARK |
| usama WORKS FOR usama |
| **employee and manager** |
| test WORKS FOR test |
| Nilsen WORKS FOR WARD |

8. Create a report to display employees’ last name and employee number along with their manager’s last name and manager number. Label the columns Employee, Emp#, Manager, and Mgr#, respectively.

Sol:

select e.ename "Employee", e.empno "EMP#", m.ename "Manager", m.empno "Mgr#" from emp e left join emp m on (e.mgr = m.empno) ;

|  |  |  |  |
| --- | --- | --- | --- |
| **Employee** | **EMP#** | **Manager** | **Mgr#** |
| Nilsen | 7890 | WARD | 7521 |
| FORD | 7902 | JONES | 7566 |
| SCOTT | 7788 | JONES | 7566 |
| JAMES | 7900 | BLAKE | 7698 |
| TURNER | 7844 | BLAKE | 7698 |
| MARTIN | 7654 | BLAKE | 7698 |
| WARD | 7521 | BLAKE | 7698 |
| SA\_Q | 7499 | BLAKE | 7698 |
| MILLER | 7934 | CLARK | 7782 |
| ADAMS | 7876 | SCOTT | 7788 |
| CLARK | 7782 | KING | 7839 |
| BLAKE | 7698 | KING | 7839 |
| JONES | 7566 | KING | 7839 |
| SMITH | 7369 | FORD | 7902 |
| **Employee** | **EMP#** | **Manager** | **Mgr#** |
| usama | 1234 | usama | 1234 |
| test | 1111 | test | 1111 |
| PArri | 7010 |  |  |
| KING | 7839 |  |  |
| ABBAS | 7444 |  |  |
| ANIS | 744 |  |  |
| RIZ | 7441 |  |  |
| ehsan | 2222 |  |  |
| BUTT | 420 |  |  |
| SHAHBAZ | 1 |  |  |

9. The HR department needs to find the names and hire dates for all employees who were hired before their managers, along with their managers’ names and hire dates

Sol:

select e.ename "Employee", e.hiredate "Hiredate" , m.ename "Manager", m.hiredate "Manager's Hiredate" from emp e, emp m where e.mgr = m.empno and e.hiredate<m.hiredate;

|  |  |  |  |
| --- | --- | --- | --- |
| **Employee** | **Hiredate** | **Manager** | **Manager's** |
| SMITH | 17-DEC-80 | FORD | 03-DEC-81 |
| SA\_Q | 20-FEB-81 | BLAKE | 01-MAY-81 |
| WARD | 22-FEB-81 | BLAKE | 01-MAY-81 |
| JONES | 02-APR-81 | KING | 17-NOV-81 |
| BLAKE | 01-MAY-81 | KING | 17-NOV-81 |
| CLARK | 09-JUN-81 | KING | 17-NOV-81 |

10. The HR department wants to determine the names of all employees who were hired after Davies. Create a query to display the name and hire date of any employee hired after employee Davies.

Sol:

select e.ename, e.hiredate from emp e, emp d where d.ename = 'Davies' and d.hiredate<e.hiredate

no data found

11. Write a query to display employee smith’s employee number, name, department number, and department location.

Sol:

select e.empno, e.ename , e.deptno , d.loc from emp e, dept d where e.deptno = d.deptno and e.ename = 'SMITH'

|  |  |  |  |
| --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **DEPTNO** | **LOC** |
| 7369 | SMITH | 20 | DALLAS |

12. Write a query to display the name and hiredate for all employee , along with their manager’s names and their hire dates. Label the columns employee, emp hired, manager, and mgr hired, respectively.

Sol:

select e.ename "Employee", e.hiredate "emp Hiredate" , m.ename "Manager", m.hiredate "Mgr Hiredate" from emp e, emp m where e.mgr = m.empno and e.hiredate<m.hiredate;

|  |  |  |  |
| --- | --- | --- | --- |
| **Employee** | **emp Hired** | **Manager** | **Mgr Hired** |
| SMITH | 17-DEC-80 | FORD | 03-DEC-81 |
| SA\_Q | 20-FEB-81 | BLAKE | 01-MAY-81 |
| WARD | 22-FEB-81 | BLAKE | 01-MAY-81 |
| JONES | 02-APR-81 | KING | 17-NOV-81 |
| BLAKE | 01-MAY-81 | KING | 17-NOV-81 |
| CLARK | 09-JUN-81 | KING | 17-NOV-81 |

13. Write a query to display employee name, dept id and department name, also show the departments in which no employee works.

Sol:

select e.ename, e.deptno ,d.dname from emp e, dept d where e.deptno(+) = d.deptno ;

|  |  |  |
| --- | --- | --- |
| **ENAME** | **DEPTNO** | **DNAME** |
| CLARK | 10 | ACCOUNTING |
| KING | 10 | ACCOUNTING |
| ABBAS | 10 | ACCOUNTING |
| MILLER | 10 | ACCOUNTING |
| usama | 10 | ACCOUNTING |
| ANIS | 10 | ACCOUNTING |
| ehsan | 10 | ACCOUNTING |
| Nilsen | 10 | ACCOUNTING |
| RIZ | 10 | ACCOUNTING |
| test | 10 | ACCOUNTING |
| BUTT | 10 | ACCOUNTING |
| SMITH | 20 | RESEARCH |
| ADAMS | 20 | RESEARCH |
| FORD | 20 | RESEARCH |
| **ENAME** | **DEPTNO** | **DNAME** |
| SCOTT | 20 | RESEARCH |
| PArri | 20 | RESEARCH |
| JONES | 20 | RESEARCH |
| SA\_Q | 30 | SALES |
| BLAKE | 30 | SALES |
| MARTIN | 30 | SALES |
| JAMES | 30 | SALES |
| TURNER | 30 | SALES |
| WARD | 30 | SALES |
|  |  | OPERATIONS |

14. Display the name and department name and location for all employees who have letter A in

their name.

sol:

select e.ename, d.dname ,d.loc from emp e, dept d where e.deptno = d.deptno and e.ename like '%A%';

|  |  |  |
| --- | --- | --- |
| **ENAME** | **DNAME** | **LOC** |
| SA\_Q | SALES | CHICAGO |
| WARD | SALES | CHICAGO |
| MARTIN | SALES | CHICAGO |
| BLAKE | SALES | CHICAGO |
| CLARK | ACCOUNTING | NEW YORK |
| ADAMS | RESEARCH | DALLAS |
| JAMES | SALES | CHICAGO |
| ABBAS | ACCOUNTING | NEW YORK |
| PArri | RESEARCH | DALLAS |
| ANIS | ACCOUNTING | NEW YORK |

15. Display the employee name , and manger name ,employee salary and manger salary for all employees.

Sol:

select e.ename , m.ename "manager" , e.sal , m.sal "manager's sal" from emp e , emp m where e.mgr = m.empno ;

|  |  |  |  |
| --- | --- | --- | --- |
| **ENAME** | **manager** | **SAL** | **manager's sal** |
| SMITH | FORD | 800 | 3000 |
| SA\_Q | BLAKE | 7600 | 2850 |
| WARD | BLAKE | 7250 | 2850 |
| JONES | KING | 2975 | 5000 |
| MARTIN | BLAKE | 7250 | 2850 |
| BLAKE | KING | 2850 | 5000 |
| CLARK | KING | 2450 | 5000 |
| SCOTT | JONES | 3000 | 2975 |
| TURNER | BLAKE | 7500 | 2850 |
| ADAMS | SCOTT | 1100 | 3000 |
| JAMES | BLAKE | 950 | 2850 |
| FORD | JONES | 3000 | 2975 |
| MILLER | CLARK | 1300 | 2450 |
| usama | usama | 10 | 10 |
| **ENAME** | **manager** | **SAL** | **manager's sal** |
| test | test | 7999 | 7999 |
| Nilsen | WARD | 8500 | 7250 |

16. Display employee name and employee salary for all the employees who earned salary greater

than their manager.

Sol:

select e.ename, e.sal from emp e, emp m where e.mgr = m.empno and e.sal > m.sal ;

|  |  |
| --- | --- |
| **ENAME** | **SAL** |
| SA\_Q | 7600 |
| WARD | 7250 |
| MARTIN | 7250 |
| SCOTT | 3000 |
| TURNER | 7500 |
| FORD | 3000 |
| Nilsen | 8500 |