1. Write a query to display the name, department number, and department name for  
all employees.

|  |  |  |
| --- | --- | --- |
| **ENAME** | **DEPTNO** | **DNAME** |
| CLARK | 10 | ACCOUNTING |
| KING | 10 | ACCOUNTING |
| MILLER | 10 | ACCOUNTING |
| SMITH | 20 | RESEARCH |
| ADAMS | 20 | RESEARCH |
| FORD | 20 | RESEARCH |
| SCOTT | 30 | RESEARCH |
| JONES | 30 | RESEARCH |
| ALLEN | 30 | SALES |
| BLAKE | 30 | SALES |
| MARTIN | 30 | SALES |
| JAMES | 30 | SALES |
| TURNER | 30 | SALES |
| WARD | 30 | SALES |

2**.** Create a unique listing of all jobs that are in department 30.

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

3. Write a query to display the employee name, department name, and location of all  
employees who earn a commission.

|  |  |  |
| --- | --- | --- |
| **ENAME** | **DNAME** | **LOC** |
| ALLEN | SALES | CHICAGO |
| WARD | SALES | CHICAGO |
| MARTIN | SALES | CHICAGO |
| TURNER | SALES | CHICAGO |

4. Display the employee name and department name for all employees who have an *A* in their name.

|  |  |
| --- | --- |
| **ENAME** | **DNAME** |
| CLARK | ACCOUNTING |
| ADAMS | RESEARCH |
| ALLEN | SALES |
| WARD | SALES |
| JAMES | SALES |
| MARTIN | SALES |
| BLAKE | SALES |

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

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

6. Display the employee name and employee number along with their manager’s name and manager number. Label the columns Employee, Emp#, Manager, and Mgr#, respectively.

|  |  |  |  |
| --- | --- | --- | --- |
| **Employee** | **Emp#** | **Manager** | **Mgr#** |
| SCOTT | 7788 | JONES | 7566 |
| FORD | 7902 | JONES | 7566 |
| ALLEN | 7499 | BLAKE | 7698 |
| WARD | 7521 | BLAKE | 7698 |
| JAMES | 7900 | BLAKE | 7698 |
| TURNER | 7844 | BLAKE | 7698 |
| MARTIN | 7654 | BLAKE | 7698 |
| MILLER | 7934 | CLARK | 7782 |
| ADAMS | 7876 | SCOTT | 7788 |
| JONES | 7566 | KING | 7839 |
| CLARK | 7782 | KING | 7839 |
| BLAKE | 7698 | KING | 7839 |
| SMITH | 7369 | FORD | 7902 |

7. Modify prvious query to display all employees including King, who has no manager.

|  |  |  |  |
| --- | --- | --- | --- |
| **Employee** | **Emp#** | **Manager** | **Mgr#** |
| SCOTT | 7788 | JONES | 7566 |
| FORD | 7902 | JONES | 7566 |
| ALLEN | 7499 | BLAKE | 7698 |
| WARD | 7521 | BLAKE | 7698 |
| JAMES | 7900 | BLAKE | 7698 |
| TURNER | 7844 | BLAKE | 7698 |
| MARTIN | 7654 | BLAKE | 7698 |
| MILLER | 7934 | CLARK | 7782 |
| ADAMS | 7876 | SCOTT | 7788 |
| JONES | 7566 | KING | 7839 |
| CLARK | 7782 | KING | 7839 |
| BLAKE | 7698 | KING | 7839 |
| SMITH | 7369 | FORD | 7902 |
| KING | 7839 | *<null>* | *<null>* |

8. Create a query that will display the employee name, department number, and all the  
employees that work in the same department as a given employee. Give each column an appropriate label.

|  |  |  |
| --- | --- | --- |
| **DEPARTMENT** | **EMPLOYEE** | **COLLEAGUE** |
| 10 | CLARK | KING |
| 10 | CLARK | MILLER |
| 10 | KING | CLARK |
| 10 | KING | MILLER |
| 10 | MILLER | CLARK |
| 10 | MILLER | KING |
| 20 | ADAMS | FORD |
| 20 | ADAMS | JONES |
| 20 | ADAMS | SCOTT |
| 20 | ADAMS | SMITH |
| 20 | FORD | ADAMS |
| 20 | FORD | JONES |
| 20 | FORD | SCOTT |
| … | … | … |
| **56 rows selected** | | |

9. Check the structure of the SALGRADE table.Create a query that will display the name, job, department name, salary, and grade for all employees.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ENAME** | **JOB** | **DNAME** | **SAL** | **GRADE** |
| MILLER | CLERK | ACCOUNTING | 1300 | 2 |
| CLARK | MANAGER | ACCOUNTING | 2450 | 4 |
| KING | PRESIDENT | ACCOUNTING | 5000 | 5 |
| SMITH | CLERK | RESEARCH | 800 | 1 |
| SCOTT | ANALYST | RESEARCH | 3000 | 4 |
| FORD | ANALYST | RESEARCH | 3000 | 4 |
| ADAMS | CLERK | RESEARCH | 1100 | 1 |
| JONES | MANAGER | RESEARCH | 2975 | 4 |
| JAMES | CLERK | SALES | 950 | 1 |
| BLAKE | MANAGER | SALES | 2850 | 4 |
| TURNER | SALESMAN | SALES | 1500 | 3 |
| ALLEN | SALESMAN | SALES | 1600 | 3 |
| WARD | SALESMAN | SALES | 1250 | 2 |
| MARTIN | SALESMAN | SALES | 1250 | 2 |

10. Create a query to display the name and hire date of any employee hired after employee Blake.

|  |  |
| --- | --- |
| **ENAME** | **HIREDATE** |
| SMITH | 17-DEC-80 |
| ALLEN | 20-FEB-81 |
| WARD | 22-FEB-81 |
| JONES | 02-APR-81 |

11. Display all employees’ names and hire dates along with their manager’s name and hire date for all employees who were hired before their managers. Label the columns Employee, Emp Hiredate, Manager, and Mgr Hiredate, respectively.

|  |  |  |  |
| --- | --- | --- | --- |
| **Employee** | **Emp Hiredate** | **Manager** | **Mgr Hiredate** |
| ALLEN | 20-FEB-81 | BLAKE | 01-MAY-81 |
| WARD | 22-FEB-81 | BLAKE | 01-MAY-81 |
| JONES | 02-APR-81 | KING | 17-NOV-81 |
| CLARK | 09-JUN-81 | KING | 17-NOV-81 |
| BLAKE | 01-MAY-81 | KING | 17-NOV-81 |
| SMITH | 17-DEC-80 | FORD | 03-DEC-81 |