Following are the structure of the tables

**EMP TABLE**

|  |  |  |
| --- | --- | --- |
| **NAME** | **NULL** | **TYPE** |
| EMPNO | NOT NULL | NUMBER(4) |
| ENAME |  | VARCHAR2(10) |
| JOB |  | VARCHAR2(9) |
| MGR |  | NUMBER(4) |
| HIREDATE |  | DATE |
| SAL |  | NUMBER(7,2) |
| COMM |  | NUMBER(7,2) |
| DEPTNO |  | Number(2) |

**DEPT TABLE**

|  |  |  |
| --- | --- | --- |
| **NAME** | **NULL?** | **TYPE** |
| DEPTNO |  | NUMBER(2) |
| DNAME |  | VARCHAR2(14) |
| LOC |  | VARCHAR2(13) |

Following are the Data of Tables

**EMP TABLE**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** | **ENAME** | **JOB** | **MGR** | **HIREDATE** | **SAL** | **COMM** | **DEPTNO** |
| 7369 | SMITH | CLERK | 7902 | 17-DEC-80 | 800 |  | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 20-FEB-81 | 1600 | 300 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 22-FEB-81 | 1250 | 500 | 30 |
| 7566 | JONES | MANAGER | 7839 | 02-APR-81 | 2975 |  | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 28-SEP-81 | 1250 | 1400 | 30 |
| 7698 | BLAKE | MANAGER | 7839 | 01-MAY-81 | 2850 |  | 30 |
| 7782 | CLARK | MANAGER | 7839 | 09-JUN-81 | 2450 |  | 10 |
| 7788 | SCOTT | ANALYST | 7839 | 09-DEC-82 | 3000 |  | 20 |
| 7839 | KING | PRESIDENT |  | 17-NOV-81 | 5000 |  | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 08-SEP-81 | 1500 | 0 | 30 |
| 7876 | ADAMS | CLERK | 7788 | 12-JAN-83 | 1100 |  | 20 |
| 7900 | JAMES | CLERK | 7698 | 03-DEC-81 | 950 |  | 30 |
| 7902 | FORD | ANALYST | 7566 | 03-DEC-81 | 3000 |  | 20 |
| 7934 | MILLER | CLERK | 7782 | 23-JAN-82 | 1300 |  | 10 |

**DEPT TABLE**

|  |  |  |
| --- | --- | --- |
| **DEPTNO** | **DNAME** | **LOC** |
| 10 | ACCOUNTING | NEW YORK |
| 20 | RESEARCH | DALLAS |
| 30 | SALES | CHICAGO |
| 40 | OPERATIONS | BOSTON |

SOLVE the following QUERIES, which are based on the EMP and DEPT tables.

1. List all the information about employees in the EMP table.
2. List all the information about department in the DEPT table.
3. List the employee number, name, job title and hired date of employees in department 10.
4. Select name and salary of employees who are clerks.
5. List the department number and name for all departments with department numbers greater than or equal to 20.
6. List the name of the employees having salary less than 2500.
7. Select name, salary and commission of employees whose commission is greater than their salary.
8. List the employee number and name of the President.
9. List the employees who do not get commission.
10. List all the employees in department number 10 other than KING.
11. Display names of the employees whose job is either ANALYST or CLERK.
12. Display different kinds of jobs available.
13. List names of all the employees whose names are 4 characters long.
14. List names of all employees whose names end with letter ‘R’.
15. List names of all employees whose names start with ‘B’ or ‘M’.
16. Select all employees whose names fall between ‘A’ and ‘G’ alphabetical range.