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

TABLE: EMP TABLE: DEPT

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | 2-Apr-81 | 2975 |  | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 28-Sep-81 | 1250 | 1400 | 30 |
| 7698 | BLAKE | MANAGER | 7839 | 1-May-81 | 2850 |  | 30 |
| 7782 | CLARK | MANAGER | 7839 | 9-Jun-81 | 2450 |  | 10 |
| 7788 | SCOTT | ANALYST | 7566 | 9-Dec-82 | 3000 |  | 20 |
| 7839 | KING | PRESIDENT |  | 17-Nov-81 | 5000 |  | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 8-Sep-81 | 1500 | 0 | 30 |
| 7876 | ADAMS | CLERK | 7788 | 12-Jan-83 | 1100 |  | 20 |
| 7900 | JAMES | CLERK | 7698 | 3-Dec-81 | 950 |  | 30 |
| 7902 | FORD | ANALYST | 7566 | 3-Dec-81 | 3000 |  | 20 |
| 7934 | MILLER | CLERK | 7782 | 23-Jan-82 | 1300 |  | 10 |

1. Create the following views:
2. Make a view named Dept\_10 to store all the emp information of department 10

ANS : CREATE VIEW DEPT\_10 AS SELECT EMP.\* FROM EMP,DEPT WHERE EMP.DEPTNO=DEPT.DEPTNO AND DEPT.DEPTNO=10;

SELECT \* FROM DEPT\_10

1. Make a view named Emp\_V to store the empno, ename, sal, dname, grade of the employees

CREATE VIEW EMP\_V AS SELECT EMPNO,ENAME,DNAME,SAL,GRADE FROM EMP,DEPT,SALGRADE WHERE EMP.DEPTNO=DEPT.DEPTNO AND EMP.SAL BETWEEN SALGRADE.LOSAL AND SALGRADE.HISAL ;

c) Make a view named Emp\_of\_Dhaka to store all the emp table information of those

employees who have Dhaka as their present address.

CREATE VIEW Emp\_of\_Dhaka AS SELECT EMP.\* FROM EMP,DEPT WHERE EMP.DEPTNO=DEPT.DEPTNO AND DEPT.LOC='DHAKA';

d) Modify above Dept\_10 view (question 2.a) to set commission of all the employees to 500 who have null commission as the moment.

**2.**

a) Create a sequence to be used with the primary key column of the DEPARTMENT table. The sequence should start at 60 and have a maximum value of 200. Have your sequence increment by ten numbers. Name the sequence DEPT\_ID\_SEQ.

CREATE SEQUENCE DEPT\_ID\_SEQ

START WITH 200

INCREMENT BY 10

MAXVALUE 1000;

B) Write a script to display the following information about your sequences: sequence name, maximum value, increment size, and last number.

SELECT SEQUENCE\_NAME,MAX\_VALUE,INCREMENT\_BY,LAST\_NUMBER FROM USER\_SEQUENCES;

c) Write an interactive script to insert a row into the DEPARTMENT table. Be sure to use the sequence that you created for the ID column. Create a customized prompt to enter the department name. Execute your script. Add two departments named Education and Administration. Confirm your additions.

INSERT INTO DEPT VALUES (DEPT\_ID\_SEQ.NEXTVAL,’Education’);

INSERT INTO DEPT VALUES (DEPT\_ID\_SEQ.NEXTVAL,’ Administration’);