**The Sample data**

**emp Table**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **empno** | **ename** | **job** | **mgr** | **hiredate** | **sal** | **comm** | **deptno** |
| 7369 | SMITH | CLERK | 7902 | 1993-06-13 | 800.00 | 0.00 | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 1998-08-15 | 1600.00 | 300.00 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 1996-03-26 | 1250.00 | 500.00 | 30 |
| 7566 | JONES | MANAGER | 7839 | 1995-10-31 | 2975.00 |  | 20 |
| 7698 | BLAKE | MANAGER | 7839 | 1992-06-11 | 2850.00 |  | 30 |
| 7782 | CLARK | MANAGER | 7839 | 1993-05-14 | 2450.00 |  | 10 |
| 7788 | SCOTT | ANALYST | 7566 | 1996-03-05 | 3000.00 |  | 20 |
| 7839 | KING | PRESIDENT |  | 1990-06-09 | 5000.00 | 0.00 | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 1995-06-04 | 1500.00 | 0.00 | 30 |
| 7876 | ADAMS | CLERK | 7788 | 1999-06-04 | 1100.00 |  | 20 |
| 7900 | JAMES | CLERK | 7698 | 2000-06-23 | 950.00 |  | 30 |
| 7934 | MILLER | CLERK | 7782 | 2000-01-21 | 1300.00 |  | 10 |
| 7902 | FORD | ANALYST | 7566 | 1997-12-05 | 3000.00 |  | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 1998-12-05 | 1250.00 | 1400.00 | 30 |

**dept Table**

|  |  |  |
| --- | --- | --- |
| **deptno** | **dname** | **location** |
| 10 | Accounting | New York |
| 20 | Research | Dallas |
| 30 | Sales | Chicago |
| 40 | Operations | Boston |

**salgrade Table**

|  |  |  |
| --- | --- | --- |
| **grade** | **losal** | **hisal** |
| 1 | 700.00 | 1200.00 |
| 2 | 1201.00 | 1400.00 |
| 4 | 2001.00 | 3000.00 |
| 5 | 3001.00 | 99999.00 |
| 3 | 1401.00 | 2000.00 |

**The MySQL schema for this database**

DROP TABLE IF EXISTS dept;

DROP TABLE IF EXISTS salgrade;

DROP TABLE IF EXISTS emp;

CREATE TABLE salgrade(

grade int(4) not null primary key,

losal decimal(10,2),

hisal decimal(10,2));

CREATE TABLE dept(

deptno int(2) not null primary key,

dname varchar(50) not null,

location varchar(50) not null);

CREATE TABLE emp(

empno int(4) not null primary key,

ename varchar(50) not null,

job varchar(50) not null,

mgr int(4),

hiredate date,

sal decimal(10,2),

comm decimal(10,2),

deptno int(2) not null);

insert into dept values (10,'Accounting','New York');

insert into dept values (20,'Research','Dallas');

insert into dept values (30,'Sales','Chicago');

insert into dept values (40,'Operations','Boston');

insert into emp values (7369,'SMITH','CLERK',7902,'93/6/13',800,0.00,20);

insert into emp values (7499,'ALLEN','SALESMAN',7698,'98/8/15',1600,300,30);

insert into emp values (7521,'WARD','SALESMAN',7698,'96/3/26',1250,500,30);

insert into emp values (7566,'JONES','MANAGER',7839,'95/10/31',2975,null,20);

insert into emp values (7698,'BLAKE','MANAGER',7839,'92/6/11',2850,null,30);

insert into emp values (7782,'CLARK','MANAGER',7839,'93/5/14',2450,null,10);

insert into emp values (7788,'SCOTT','ANALYST',7566,'96/3/5',3000,null,20);

insert into emp values (7839,'KING','PRESIDENT',null,'90/6/9',5000,0,10);

insert into emp values (7844,'TURNER','SALESMAN',7698,'95/6/4',1500,0,30);

insert into emp values (7876,'ADAMS','CLERK',7788,'99/6/4',1100,null,20);

insert into emp values (7900,'JAMES','CLERK',7698,'00/6/23',950,null,30);

insert into emp values (7934,'MILLER','CLERK',7782,'00/1/21',1300,null,10);

insert into emp values (7902,'FORD','ANALYST',7566,'97/12/5',3000,null,20);

insert into emp values (7654,'MARTIN','SALESMAN',7698,'98/12/5',1250,1400,30);

insert into salgrade values (1,700,1200);

insert into salgrade values (2,1201,1400);

insert into salgrade values (3,1401,2000);

insert into salgrade values (4,2001,3000);

insert into salgrade values (5,3001,99999);