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create table countries
(country_id char(2) primary key,
country_name varchar2(15),
region_id number(5));

desc countries;
insert into countries values('CA','Canada',2);
insert into countries values('DE','Germany',1);
insert into countries values('UK','United Kingdom',1);
insert into countries values('US','USA',2);

select * from countries;

create table departments
(department_id number(4) primary key,
department_name varchar2(15),
manager_id number(6),
location_id number(4));

desc departments;

insert into departments values(10,'Administration',200,1700);
insert into departments values(20,'Marketing',201,1800);
insert into departments values(50,'Shipping',124,1500);
insert into departments values(60,'IT',103,1400);
insert into departments values(80,'Sales',149,2500);
insert into departments values(90,'Executive',100,1700);
insert into departments values(110,'Accounting',205,1700);
insert into departments values(190,'Contracting',NULL,1700);

select * from departments;

create table employees
(employee_id number(4) primary key,
first_name varchar2(10),
last_name varchar2(10),
email varchar2(15) not null,
phone_number varchar2(10),
hire_date date not null,
job_id varchar2(10) not null,
salary number(8),
commission_pct number(4),
manager_id number(10),
department_id number(4));

desc employees;

insert into employees
values(100,'Stewen','King','Sking',121473456,'17-jun-
87','ad_pres',2400,NULL,NULL,90);
insert into employees
values(101,'Neena','Kochhar','NKochhar',4587256123,'21-sep-
89','ad_vp',17000,NULL,100,90);
insert into employees values(102,'Lex','De
Haan','LDEhaan',014321123,'13-jan-93','ad_vp',17000,NULL,100,90);

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insert into employees
values(103,'Alexander','Hundold','Ahunold',9180490001,'03-Jan-
90','IT_PROG',9000,NULL,102 ,60);
insert into employees
values(104,'Bruce','Emst','Bernst',9080490111,'21-may-
91','IT_PROG',4200,NULL,103,60);
insert into employees
values(107,'Diana','Lorenz','Dlorentz',9070410121,'07-feb-
99','IT_PROG',5800,NULL,100 ,50);
insert into employees
values(124,'Kevin','Mourgos','Kmourgos',9979510331,'16-nov-
99','ST_MAN',3500,NULL,124 ,50);
insert into employees
values(141,'Trenna','Rajs','Trajs',9978410121,'17-oct-
95','ST_CLERK',3100,NULL,124,50);
insert into employees
values(142,'Curtis','Davies','Ddavies',997854621,'29-jan-
97','ST_CLERK',2600,NULL,124 ,50);
insert into employees
values(143,'Randall','Matos','Rmatos',6501212874,'15-Mar-
98','ST_CLERK',2600,NULL,124 ,50);
insert into employees
values(144,'Peter','Vargas','Pvargas',6501212004,'09-Jul-
98','ST_CLERK',2500,NULL,124 ,50);
insert into employees
values(149,'Eleni','Zlotkey','Ezlotkey',6501212005,'29-Jan-
00','SA_MAN',10500,2,100 ,80);
insert into employees
values(174,'Ellen','Abel','Eabel',1644429267,'11-May-
96','SA_REP',1100,3,149 ,80);
insert into employees
values(176,'Jonathon','Taylor','Jtaylor',1644429265,'24-Mar-
98','SA_REP',8600,2,149 ,80);
insert into employees
values(178,'Kimberely','Grant','Kgrant',1644429263,'24-May-
99','SA_REP',7000,15,149 ,NULL);
insert into employees
values(200,'Jennifer','Whalen','Jwhalen',5151234444,'14-Sep-
87','AD_ASST',4400,NULL,101 ,10);
insert into employees
values(201,'Michael','Hartstein','Mhartste',5151235555,'17-Feb-
96','MK_MAN',13000,NULL,100 ,20);
insert into employees values(202,'Pat','Fay','Pfay',6031236666,'17-
Aug-97','MK_REP',6000,NULL,201,20);
insert into employees
values(205,'Shelley','Higgins','Shiggins',5151238080,'07-Jun-
94','AC_MGR',12000,NULL,101,110);
insert into employees
values(206,'Williams','Gietz','Wgietz',5151238181,'07-Jun-
94','AC_ACCOUNT',8300,NULL,205,110);
select * from employees;

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create table jobs
(job_id varchar2(10) primary key,
job_title varchar2(25) not null,
min_salary number(6),

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max_salary number(6));
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insert into jobs values('AD_PRES','President',20000,40000);
insert into jobs values('AD_VP','Ad_VC_P',15000,30000);
insert into jobs values('AD_ASST','Admin Assist',3000,6000);
insert into jobs values('AC_ACCOUNT','Public Account',4200,9000);
insert into jobs values('AC_MGR','Act_manager',8200,16000);
insert into jobs values('SA_MAN','Sal_manager',10000,20000);
insert into jobs values('SA-REP','Sal_Reprsttv',6000,12000);
insert into jobs values('ST_MAN','STK_manager',5500,8500);
insert into jobs values('ST_CLERK','STK_clerk',2000,5000);
insert into jobs values('IT_PROG','Programmer',4000,10000);
insert into jobs values('MK_MAN','MKT_manager',9000,15000);
insert into jobs values('MK_REP','MKT_Reprsttv',4000,9000);
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select * from jobs;
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create table job_grades
(grade_level varchar2(3),
lowest_sal number(6),
highest_sal number(6));
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desc job_grades;
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```
insert into job_grades values('A',1000,2999);
insert into job_grades values('B',3000,5999);
insert into job_grades values('C',6000,9999);
insert into job_grades values('D',10000,14999);
insert into job_grades values('E',15000,24999);
insert into job_grades values('F',25000,40000);
```

```
select * from job_grades;
```

```
create table job_history
(employee_id number(6) primary key,
start_date date not null,
end_date date not null,
job_id varchar2(10) not null,
department_id number(4));
```

```
desc job_history;
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```
insert into job_history values(102,'13-jan-93','24-jul-
98','IT_PROG',60);
insert into job_history values(101,'21-sep-89','27-oct-
93','AC_ACCT',110);
insert into job_history values(103,'28-oct-93','15-mar-
97','AC_MGR',110);
insert into job_history values(201,'17-feb-96','19-dec-
99','MK_REP',20);
insert into job_history values(114,'24-mar-98','31-dec-
99','ST_CLERK',50);
insert into job_history values(122,'01-jan-99','31-dec-
99','ST_CLERK',50);
insert into job_history values(200,'17-sep-87','17-jun-
93','AD_ASST',90);
```

```
insert into job_history values(176,'24-mar-98','31-dec-98','SA_REP',80);
insert into job_history values(177,'01-jan-99','31-dec-99','SA_MAN',80);
insert into job_history values(202,'01-jul-94','31-dec-98','AC_ACCT',90);
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select * from job_history;
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```
create table locations
(location_id number(4) primary key,
street_addrs varchar2(10),
postal_code varchar2(12),
city varchar2(10) not null,
state_province varchar2(10),
country_id char(2));
```

```
desc locations;
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```
insert into locations values(1400,'2014
JRD','26192','Southlake','Texas','US');
insert into locations values(1500,'2011
IBD','99236','SSFran','California','US');
insert into locations values(1700,'2004
CRD','98199','Seattle','Washington','US');
insert into locations values(1800,'460 BSW','ON M5S
1X8','Toronto','Ontario','CA');
insert into locations values(2500,'MCTOS Park','OX9
9ZB','Oxford','Oxford','UK');
```

```
select * from locations;
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```
create table regions
(region_id number(6) primary key,
region_name varchar2(20));
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insert into regions values(1,'Europe');
insert into regions values(2,'Americas');
insert into regions values(3,'Asia');
insert into regions values(4,'Middle East Africa');
```

```
select * from regions;
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