--SPOOL C:\Users\Admin\...\employee.txt

PROMPT CONFIGURAR INTERFASE

SET COLSEP ' || '

SET LINESIZE 150

SET PAGESIZE 99

prompt Cambiando idioma

alter session set NLS\_LANGUAGE = 'ENGLISH';

alter session set NLS\_DATE\_LANGUAGE = 'ENGLISH';

PROMPT DESPLEGAR LOS PARAMETROS DE CONFIGURACION DE LA SESSION

COL PARAMETER FORMAT A30

COL VALUE FORMAT A20

SELECT PARAMETER, VALUE FROM NLS\_SESSION\_PARAMETERS;

prompt Idioma cambiado

prompt Regla Cero

drop table EMPLOYEE CASCADE CONSTRAINTS;

prompt Empezando a crear tabla

CREATE TABLE EMPLOYEE(

EMP\_ID NUMBER(4) CONSTRAINT EMP\_PK PRIMARY KEY,

FNAME VARCHAR2(15) NOT NULL,

LNAME VARCHAR2(15) NOT NULL,

DEPT\_ID NUMBER(2) NOT NULL,

MANAGER\_EMP\_ID NUMBER (4)

CONSTRAINT EMP\_FK REFERENCES EMPLOYEE(EMP\_ID) deferrable,

SALARY NUMBER (7,2)NOT NULL,

HIRE\_DATE DATE NOT NULL,

JOB\_ID NUMBER (3));

SELECT \* FROM EMPLOYEE;

prompt Tabla creada

prompt Poblando Tabla

insert into employee

(EMP\_ID,FNAME,LNAME,DEPT\_ID,MANAGER\_EMP\_ID,SALARY,HIRE\_DATE,JOB\_ID)

select e.emp\_id, e.fname, e.lname, e.dept\_id, e.manager\_emp\_id, e.salary, e.hire\_date, e.job\_id

from

(

select 7369 emp\_id, 'JOHN' fname, 'SMITH' lname, 20 dept\_id, 7902 manager\_emp\_id, 800 salary, '17-DEC-80' hire\_date, 667 job\_id from dual union all

select 7499 emp\_id, 'KEVIN' fname, 'ALLEN' lname, 30 dept\_id, 7698 manager\_emp\_id, 1600 salary, '20-FEB-81' hire\_date, 670 job\_id from dual union all

select 7521 emp\_id, 'CYNTHIA' fname, 'WARD' lname, 30 dept\_id, 7698 manager\_emp\_id, 1250 salary, '22-FEB-81' hire\_date, null job\_id from dual union all

select 7566 emp\_id, 'TERRY' fname, 'JONES' lname, 20 dept\_id, 7839 manager\_emp\_id, 2000 salary, '02-APR-81' hire\_date, 671 job\_id from dual union all

select 7654 emp\_id, 'KENNETH' fname, 'MARTIN' lname, 30 dept\_id, 7698 manager\_emp\_id, 1250 salary, '28-SEP-81' hire\_date, 670 job\_id from dual union all

select 7698 emp\_id, 'MARION' fname, 'BLAKE' lname, 30 dept\_id, 7839 manager\_emp\_id, 2850 salary, '01-MAY-80' hire\_date, 671 job\_id from dual union all

select 7782 emp\_id, 'CAROL' fname, 'CLARK' lname, 10 dept\_id, 7839 manager\_emp\_id, 2450 salary, '09-JUN-81' hire\_date, 671 job\_id from dual union all

select 7788 emp\_id, 'DONALD' fname, 'SCOTT' lname, 20 dept\_id, 7566 manager\_emp\_id, 3000 salary, '19-APR-87' hire\_date, 669 job\_id from dual union all

select 7839 emp\_id, 'FRANCIS' fname, 'KING' lname, 10 dept\_id, null manager\_emp\_id, 5000 salary, '17-NOV-81' hire\_date, 672 job\_id from dual union all

select 7844 emp\_id, 'MARY' fname, 'TURNER' lname, 30 dept\_id, 7698 manager\_emp\_id, 1500 salary, '08-SEP-81' hire\_date, 670 job\_id from dual union all

select 7876 emp\_id, 'DIANE' fname, 'ADAMS' lname, 20 dept\_id, 7788 manager\_emp\_id, 1100 salary, '23-MAY-87' hire\_date, null job\_id from dual union all

select 7900 emp\_id, 'FRED' fname, 'JAMES' lname, 30 dept\_id, 7698 manager\_emp\_id, 950 salary, '03-DEC-81' hire\_date, 667 job\_id from dual union all

select 7902 emp\_id, 'JENNIFER' fname, 'FORD' lname, 20 dept\_id, 7566 manager\_emp\_id, 3000 salary, '03-DEC-81' hire\_date, 669 job\_id from dual union all

select 7934 emp\_id, 'BARBARA' fname, 'MILLER' lname, 10 dept\_id, 7782 manager\_emp\_id, 1300 salary, '23-JAN-82' hire\_date, 667 job\_id from dual

) e;

commit;

SELECT \* FROM EMPLOYEE;

PROMPT INTENTEMOS BORRAR EL EMPLEADO 7839 con LAST\_NAME KING

DELETE FROM EMPLOYEE WHERE EMP\_ID = 7839;

col owner format a15

select owner, constraint\_name,table\_name,

constraint\_type,status,deferrable,deferred from user\_constraints;

alter table employee

disable constraint emp\_fk;

PROMPT VERIFACANDO QUE SE CAMBIO EL STATUS DE LA RESTRICCION DE LLAVE FORANEA

select owner, constraint\_name,table\_name,

constraint\_type,status,deferrable,deferred from user\_constraints;

PROMPT INTENTAMOS BORRAR EL EMPLEADO 7839 CON LAST\_NAME KING

DELETE FROM EMPLOYEE WHERE EMP\_ID = 7839;

SELECT \* FROM EMPLOYEE;

alter table employee

enable constraint emp\_fk;

prompt Ahora insert nuevo jefe

insert into employee

(EMP\_ID,FNAME,LNAME,DEPT\_ID,MANAGER\_EMP\_ID,SALARY,HIRE\_DATE,JOB\_ID)

select e.emp\_id, e.fname, e.lname, e.dept\_id, e.manager\_emp\_id, e.salary, e.hire\_date, e.job\_id

from

(

select 7839 emp\_id, 'FRANCISCO' fname, 'RANGEL' lname, 10 dept\_id, null manager\_emp\_id, 5000 salary, '17-NOV-81' hire\_date, 672 job\_id from dual ) e;

SELECT \* FROM EMPLOYEE;

spool off

**SELECT E.LNAME "Employee", M.LNAME "Manager"**

**FROM EMPLOYEE E, EMPLOYEE M**

**WHERE E.MANAGER\_EMP\_ID = M.EMP\_ID;**

**SELECT M.EMP\_ID, E.LNAME "Employee", E.MANAGER\_EMP\_ID, M.LNAME "Manager"**

**FROM EMPLOYEE E, EMPLOYEE M**

**WHERE E.MANAGER\_EMP\_ID = M.EMP\_ID;**

**SELECT M.EMP\_ID, E.LNAME "Employee", E.MANAGER\_EMP\_ID, M.LNAME "Manager"**

**FROM EMPLOYEE E, EMPLOYEE M**

**WHERE E.MANAGER\_EMP\_ID = M.EMP\_ID(+);**

**SELECT E.LNAME "Employee", M.LNAME "Manager"**

**FROM EMPLOYEE E, EMPLOYEE M**

**WHERE E.MANAGER\_EMP\_ID = M.EMP\_ID (+);**

|  |  |
| --- | --- |
|  | **EMPLOYEE** |
|  | **EMP\_ID (PRIMARY KEY)** |
|  | **EMP\_NAME** |
|  | **DEPT\_ID** |
|  | **MANAGER\_EMP\_ID** |
|  | **SALARY** |
|  | **JOB\_ID** |
|  |  |

Fuente: ***Sanjay Mishra and Alan Beaulieu,*** ***Mastering Oracle SQL,*** ***Published by O’Reilly, 5th edition, 2002***