Rem

Rem NAME "demobld10g.sql" - Drops and then Creates SIX tables for DEMO schema

Rem needed for SQL Notes material in Version 9.2 onward

Rem This set is a SUBSET of tables and data in the HR/HR schema

Rem

-- CONNECT scott/tiger OR

-- CONNECT demo/demo ( OR any other user that wants to have these tables)

Rem

Rem This PART of script will drop all SEQUENCES and TABLES related to DEMO schema

Rem

SET FEEDBACK 1

SET NUMWIDTH 10

SET LINESIZE 80

--SET TRIMSPOOL ON

--SET TAB OFF

SET PAGESIZE 100

SET ECHO OFF

DROP SEQUENCE locations\_seq;

DROP SEQUENCE departments\_seq;

DROP SEQUENCE employees\_seq;

DROP TABLE countries CASCADE CONSTRAINTS;

DROP TABLE locations CASCADE CONSTRAINTS;

DROP TABLE departments CASCADE CONSTRAINTS;

DROP TABLE employees CASCADE CONSTRAINTS;

DROP TABLE job\_grades;

DROP TABLE job\_history;

Rem

Rem This PART of the script creates SIX tables, polulates data, adds associated constraints

Rem and indexes for the DEMO user.

Rem

SET FEEDBACK 1

SET NUMWIDTH 10

SET LINESIZE 80

--SET TRIMSPOOL ON

--SET TAB OFF

SET PAGESIZE 100

SET ECHO OFF

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

REM Create the COUNTRIES table to hold country information for customers

REM and company locations.

REM LOCATIONS have a foreign key to this table.

Prompt \*\*\*\*\*\* Creating COUNTRIES table ....

CREATE TABLE countries

( country\_id CHAR(2)

CONSTRAINT country\_id\_nn NOT NULL

, country\_name VARCHAR2(40)

, region\_id NUMBER

, CONSTRAINT country\_c\_id\_pk

PRIMARY KEY (country\_id)

)

ORGANIZATION INDEX;

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

REM Create the LOCATIONS table to hold address information for company departments.

REM DEPARTMENTS has a foreign key to this table.

Prompt \*\*\*\*\*\* Creating LOCATIONS table ....

CREATE TABLE locations

( location\_id NUMBER(4)

, street\_address VARCHAR2(40)

, postal\_code VARCHAR2(12)

, city VARCHAR2(30)

CONSTRAINT loc\_city\_nn NOT NULL

, state\_province VARCHAR2(25)

, country\_id CHAR(2)

) ;

CREATE UNIQUE INDEX loc\_id\_pk

ON locations (location\_id) ;

ALTER TABLE locations

ADD ( CONSTRAINT loc\_id\_pk

PRIMARY KEY (location\_id)

) ;

Rem Useful for any subsequent addition of rows to locations table

Rem Starts with 3300

CREATE SEQUENCE locations\_seq

START WITH 3300

INCREMENT BY 100

MAXVALUE 9900

NOCACHE

NOCYCLE;

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

REM Create the DEPARTMENTS table to hold company department information.

REM EMPLOYEES has a foreign key to this table.

Prompt \*\*\*\*\*\* Creating DEPARTMENTS table ....

CREATE TABLE departments

( department\_id NUMBER(4)

, department\_name VARCHAR2(30)

CONSTRAINT dept\_name\_nn NOT NULL

, manager\_id NUMBER(6)

, location\_id NUMBER(4)

) ;

CREATE UNIQUE INDEX dept\_id\_pk

ON departments (department\_id) ;

ALTER TABLE departments

ADD ( CONSTRAINT dept\_id\_pk

PRIMARY KEY (department\_id)

) ;

Rem Useful for any subsequent addition of rows to departments table

Rem Starts with 280

CREATE SEQUENCE departments\_seq

START WITH 280

INCREMENT BY 10

MAXVALUE 9990

NOCACHE

NOCYCLE;

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

REM Create the EMPLOYEES table to hold the employee personnel

REM information for the company.

REM EMPLOYEES has a self referencing foreign key to this table.

Prompt \*\*\*\*\*\* Creating EMPLOYEES table ....

CREATE TABLE employees

( employee\_id NUMBER(6)

, first\_name VARCHAR2(20)

, last\_name VARCHAR2(25)

CONSTRAINT emp\_last\_name\_nn NOT NULL

, email VARCHAR2(25)

CONSTRAINT emp\_email\_nn NOT NULL

, phone\_number VARCHAR2(20)

, hire\_date DATE

CONSTRAINT emp\_hire\_date\_nn NOT NULL

, job\_id VARCHAR2(10)

CONSTRAINT emp\_job\_nn NOT NULL

, salary NUMBER(8,2)

, commission\_pct NUMBER(2,2)

, manager\_id NUMBER(6)

, department\_id NUMBER(4)

, CONSTRAINT emp\_salary\_min

CHECK (salary > 0)

, CONSTRAINT emp\_email\_uk

UNIQUE (email)

) ;

CREATE UNIQUE INDEX emp\_emp\_id\_pk

ON employees (employee\_id) ;

ALTER TABLE employees

ADD ( CONSTRAINT emp\_emp\_id\_pk

PRIMARY KEY (employee\_id)

, CONSTRAINT emp\_dept\_fk

FOREIGN KEY (department\_id)

REFERENCES departments

, CONSTRAINT emp\_manager\_fk

FOREIGN KEY (manager\_id)

REFERENCES employees

) ;

ALTER TABLE departments

ADD ( CONSTRAINT dept\_mgr\_fk

FOREIGN KEY (manager\_id)

REFERENCES employees (employee\_id)

) ;

Rem Useful for any subsequent addition of rows to employees table

Rem Starts with 207

CREATE SEQUENCE employees\_seq

START WITH 207

INCREMENT BY 1

NOCACHE

NOCYCLE;

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

REM Create the JOB\_GRADES table that will show different SALARY GRADES

REM depending on employee's SALARY RANGE

Prompt \*\*\*\*\*\* Creating JOB\_GRADES table ....

CREATE TABLE job\_grades (

grade CHAR(1),

lowest\_sal NUMBER(8,2) NOT NULL,

highest\_sal NUMBER(8,2) NOT NULL

);

ALTER TABLE job\_grades

ADD CONSTRAINT jobgrades\_grade\_pk PRIMARY KEY (grade);

rem This PART of script will populate script for the DEMO account

rem

rem NOTES There is a circular foreign key reference between

rem EMPLOYEES and DEPARTMENTS. That's why we disable

rem the FK constraints here

rem

SET VERIFY OFF

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*insert data into the COUNTRIES table

Prompt \*\*\*\*\*\* Populating COUNTIRES table ....

INSERT INTO countries VALUES

( 'IT'

, 'Italy'

, 1

);

INSERT INTO countries VALUES

( 'JP'

, 'Japan'

, 3

);

INSERT INTO countries VALUES

( 'US'

, 'United States of America'

, 2

);

INSERT INTO countries VALUES

( 'CA'

, 'Canada'

, 2

);

INSERT INTO countries VALUES

( 'CN'

, 'China'

, 3

);

INSERT INTO countries VALUES

( 'IN'

, 'India'

, 3

);

INSERT INTO countries VALUES

( 'AU'

, 'Australia'

, 3

);

INSERT INTO countries VALUES

( 'ZW'

, 'Zimbabwe'

, 4

);

INSERT INTO countries VALUES

( 'SG'

, 'Singapore'

, 3

);

INSERT INTO countries VALUES

( 'UK'

, 'United Kingdom'

, 1

);

INSERT INTO countries VALUES

( 'FR'

, 'France'

, 1

);

INSERT INTO countries VALUES

( 'DE'

, 'Germany'

, 1

);

INSERT INTO countries VALUES

( 'ZM'

, 'Zambia'

, 4

);

INSERT INTO countries VALUES

( 'EG'

, 'Egypt'

, 4

);

INSERT INTO countries VALUES

( 'BR'

, 'Brazil'

, 2

);

INSERT INTO countries VALUES

( 'CH'

, 'Switzerland'

, 1

);

INSERT INTO countries VALUES

( 'NL'

, 'Netherlands'

, 1

);

INSERT INTO countries VALUES

( 'MX'

, 'Mexico'

, 2

);

INSERT INTO countries VALUES

( 'KW'

, 'Kuwait'

, 4

);

INSERT INTO countries VALUES

( 'IL'

, 'Israel'

, 4

);

INSERT INTO countries VALUES

( 'DK'

, 'Denmark'

, 1

);

INSERT INTO countries VALUES

( 'HK'

, 'HongKong'

, 3

);

INSERT INTO countries VALUES

( 'NG'

, 'Nigeria'

, 4

);

INSERT INTO countries VALUES

( 'AR'

, 'Argentina'

, 2

);

INSERT INTO countries VALUES

( 'BE'

, 'Belgium'

, 1

);

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*insert data into the LOCATIONS table

Prompt \*\*\*\*\*\* Populating LOCATIONS table ....

INSERT INTO locations VALUES

( 1000

, '1297 Via Cola di Rie'

, '00989'

, 'Roma'

, NULL

, 'IT'

);

INSERT INTO locations VALUES

( 1100

, '93091 Calle della Testa'

, '10934'

, 'Venice'

, NULL

, 'IT'

);

INSERT INTO locations VALUES

( 1200

, '2017 Shinjuku-ku'

, '1689'

, 'Tokyo'

, 'Tokyo Prefecture'

, 'JP'

);

INSERT INTO locations VALUES

( 1300

, '9450 Kamiya-cho'

, '6823'

, 'Hiroshima'

, NULL

, 'JP'

);

INSERT INTO locations VALUES

( 1400

, '2014 Jabberwocky Rd'

, '26192'

, 'Southlake'

, 'Texas'

, 'US'

);

INSERT INTO locations VALUES

( 1500

, '2011 Interiors Blvd'

, '99236'

, 'South San Francisco'

, 'California'

, 'US'

);

INSERT INTO locations VALUES

( 1600

, '2007 Zagora St'

, '50090'

, 'South Brunswick'

, 'New Jersey'

, 'US'

);

INSERT INTO locations VALUES

( 1700

, '2004 Charade Rd'

, '98199'

, 'Seattle'

, 'Washington'

, 'US'

);

INSERT INTO locations VALUES

( 1800

, '147 Spadina Ave'

, 'M5V 2L7'

, 'Toronto'

, 'Ontario'

, 'CA'

);

INSERT INTO locations VALUES

( 1900

, '6092 Boxwood St'

, 'YSW 9T2'

, 'Whitehorse'

, 'Yukon'

, 'CA'

);

INSERT INTO locations VALUES

( 2000

, '40-5-12 Laogianggen'

, '190518'

, 'Beijing'

, NULL

, 'CN'

);

INSERT INTO locations VALUES

( 2100

, '1298 Vileparle (E)'

, '490231'

, 'Bombay'

, 'Maharashtra'

, 'IN'

);

INSERT INTO locations VALUES

( 2200

, '12-98 Victoria Street'

, '2901'

, 'Sydney'

, 'New South Wales'

, 'AU'

);

INSERT INTO locations VALUES

( 2300

, '198 Clementi North'

, '540198'

, 'Singapore'

, NULL

, 'SG'

);

INSERT INTO locations VALUES

( 2400

, '8204 Arthur St'

, NULL

, 'London'

, NULL

, 'UK'

);

INSERT INTO locations VALUES

( 2500

, 'Magdalen Centre, The Oxford Science Park'

, 'OX9 9ZB'

, 'Oxford'

, 'Oxford'

, 'UK'

);

INSERT INTO locations VALUES

( 2600

, '9702 Chester Road'

, '09629850293'

, 'Stretford'

, 'Manchester'

, 'UK'

);

INSERT INTO locations VALUES

( 2700

, 'Schwanthalerstr. 7031'

, '80925'

, 'Munich'

, 'Bavaria'

, 'DE'

);

INSERT INTO locations VALUES

( 2800

, 'Rua Frei Caneca 1360 '

, '01307-002'

, 'Sao Paulo'

, 'Sao Paulo'

, 'BR'

);

INSERT INTO locations VALUES

( 2900

, '20 Rue des Corps-Saints'

, '1730'

, 'Geneva'

, 'Geneve'

, 'CH'

);

INSERT INTO locations VALUES

( 3000

, 'Murtenstrasse 921'

, '3095'

, 'Bern'

, 'BE'

, 'CH'

);

INSERT INTO locations VALUES

( 3100

, 'Pieter Breughelstraat 837'

, '3029SK'

, 'Utrecht'

, 'Utrecht'

, 'NL'

);

INSERT INTO locations VALUES

( 3200

, 'Mariano Escobedo 9991'

, '11932'

, 'Mexico City'

, 'Distrito Federal,'

, 'MX'

);

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*insert data into the DEPARTMENTS table

Prompt \*\*\*\*\*\* Populating DEPARTMENTS table ....

REM disable integrity constraint to EMPLOYEES to load data

ALTER TABLE departments

DISABLE CONSTRAINT dept\_mgr\_fk;

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

);

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*insert data into the EMPLOYEES table

Prompt \*\*\*\*\*\* Populating EMPLOYEES table ....

INSERT INTO employees VALUES

( 100

, 'Steven'

, 'King'

, 'SKING'

, '515.123.4567'

, TO\_DATE('17-JUN-1987', 'dd-MON-yyyy')

, 'AD\_PRES'

, 24000

, NULL

, NULL

, 90

);

INSERT INTO employees VALUES

( 101

, 'Neena'

, 'Kochhar'

, 'NKOCHHAR'

, '515.123.4568'

, TO\_DATE('21-SEP-1989', 'dd-MON-yyyy')

, 'AD\_VP'

, 17000

, NULL

, 100

, 90

);

INSERT INTO employees VALUES

( 102

, 'Lex'

, 'De Haan'

, 'LDEHAAN'

, '515.123.4569'

, TO\_DATE('13-JAN-1993', 'dd-MON-yyyy')

, 'AD\_VP'

, 17000

, NULL

, 100

, 90

);

INSERT INTO employees VALUES

( 103

, 'Alexander'

, 'Hunold'

, 'AHUNOLD'

, '590.423.4567'

, TO\_DATE('03-JAN-1990', 'dd-MON-yyyy')

, 'IT\_PROG'

, 9000

, NULL

, 102

, 60

);

INSERT INTO employees VALUES

( 104

, 'Bruce'

, 'Ernst'

, 'BERNST'

, '590.423.4568'

, TO\_DATE('21-MAY-1991', 'dd-MON-yyyy')

, 'IT\_PROG'

, 6000

, NULL

, 103

, 60

);

INSERT INTO employees VALUES

( 107

, 'Diana'

, 'Lorentz'

, 'DLORENTZ'

, '590.423.5567'

, TO\_DATE('07-FEB-1999', 'dd-MON-yyyy')

, 'IT\_PROG'

, 4200

, NULL

, 103

, 60

);

INSERT INTO employees VALUES

( 124

, 'Kevin'

, 'Mourgos'

, 'KMOURGOS'

, '650.123.5234'

, TO\_DATE('16-NOV-1999', 'dd-MON-yyyy')

, 'ST\_MAN'

, 5800

, NULL

, 100

, 50

);

INSERT INTO employees VALUES

( 141

, 'Trenna'

, 'Rajs'

, 'TRAJS'

, '650.121.8009'

, TO\_DATE('17-OCT-1995', 'dd-MON-yyyy')

, 'ST\_CLERK'

, 3500

, NULL

, 124

, 50

);

INSERT INTO employees VALUES

( 142

, 'Curtis'

, 'Davies'

, 'CDAVIES'

, '650.121.2994'

, TO\_DATE('29-JAN-1997', 'dd-MON-yyyy')

, 'ST\_CLERK'

, 3100

, NULL

, 124

, 50

);

INSERT INTO employees VALUES

( 143

, 'Randall'

, 'Matos'

, 'RMATOS'

, '650.121.2874'

, TO\_DATE('15-MAR-1998', 'dd-MON-yyyy')

, 'ST\_CLERK'

, 2600

, NULL

, 124

, 50

);

INSERT INTO employees VALUES

( 144

, 'Peter'

, 'Vargas'

, 'PVARGAS'

, '650.121.2004'

, TO\_DATE('09-JUL-1998', 'dd-MON-yyyy')

, 'ST\_CLERK'

, 2500

, NULL

, 124

, 50

);

INSERT INTO employees VALUES

( 149

, 'Eleni'

, 'Zlotkey'

, 'EZLOTKEY'

, '011.44.1344.429018'

, TO\_DATE('29-JAN-2000', 'dd-MON-yyyy')

, 'SA\_MAN'

, 10500

, .2

, 100

, 80

);

INSERT INTO employees VALUES

( 174

, 'Ellen'

, 'Abel'

, 'EABEL'

, '011.44.1644.429267'

, TO\_DATE('11-MAY-1996', 'dd-MON-yyyy')

, 'SA\_REP'

, 11000

, .30

, 149

, 80

);

INSERT INTO employees VALUES

( 176

, 'Jonathon'

, 'Taylor'

, 'JTAYLOR'

, '011.44.1644.429265'

, TO\_DATE('24-MAR-1998', 'dd-MON-yyyy')

, 'SA\_REP'

, 8600

, .20

, 149

, 80

);

INSERT INTO employees VALUES

( 178

, 'Kimberely'

, 'Grants'

, 'KGRANTS'

, '011.44.1644.429263'

, TO\_DATE('24-MAY-1999', 'dd-MON-yyyy')

, 'SA\_REP'

, 7000

, .15

, 149

, NULL

);

INSERT INTO employees VALUES

( 180

, 'Spence'

, 'de Man'

, 'SDEMAN'

, '011.44.1644.420172'

, TO\_DATE('08-MAY-2017', 'dd-MON-yyyy')

, 'SA\_REP'

, 7000

, .15

, 149

, NULL

);

INSERT INTO employees VALUES

( 200

, 'Jennifer'

, 'Whalen'

, 'JWHALEN'

, '515.123.4444'

, TO\_DATE('17-SEP-1987', 'dd-MON-yyyy')

, 'AD\_ASST'

, 4400

, NULL

, 101

, 10

);

INSERT INTO employees VALUES

( 201

, 'Michael'

, 'Hartstein'

, 'MHARTSTE'

, '515.123.5555'

, TO\_DATE('17-FEB-1996', 'dd-MON-yyyy')

, 'MK\_MAN'

, 13000

, NULL

, 100

, 20

);

INSERT INTO employees VALUES

( 202

, 'Pat'

, 'Fay'

, 'PFAY'

, '603.123.6666'

, TO\_DATE('17-AUG-1997', 'dd-MON-yyyy')

, 'MK\_REP'

, 6000

, NULL

, 201

, 20

);

INSERT INTO employees VALUES

( 205

, 'Shelley'

, 'Higgins'

, 'SHIGGINS'

, '515.123.8080'

, TO\_DATE('07-JUN-1994', 'dd-MON-yyyy')

, 'AC\_MGR'

, 12000

, NULL

, 101

, 110

);

INSERT INTO employees VALUES

( 206

, 'William'

, 'Gietz'

, 'WGIETZ'

, '515.123.8181'

, TO\_DATE('07-JUN-1994', 'dd-MON-yyyy')

, 'AC\_ACCOUNT'

, 8300

, NULL

, 205

, 110

);

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

REM reps from CMC added

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

REM add these sales reps 20182

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

INSERT INTO employees VALUES

(1

,'Bjorn'

, 'Flertjan'

,'BFLERTJAN'

, '414.111.4567'

, TO\_DATE('11-JAN-2011', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .30

, 149

, 80

);

INSERT INTO employees VALUES

(3

, 'Gus'

,'Grovlin'

,'GGROVLIN'

, '429.311.4567'

, TO\_DATE('23-MAR-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(4

, 'Bill'

,'Smertal'

,'BSMERTAL'

, '404.311.4567'

, TO\_DATE('24-MAR-2014', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(5

,'Dave'

,'Mustaine'

,'DMUSTAINE'

, '405.511.4567'

, TO\_DATE('25-MAY-2015', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(6

,'Henry'

,'Harvey'

,'HHARVEY'

, '406.616.4567'

, TO\_DATE('06-June-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 10000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(7

,'Henri'

,'LeDuc'

,'HLEDUC'

, '427.711.4567'

, TO\_DATE('27-JUL-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 7000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(8

,'Conrad'

,'Bergsteige'

,'CBERGSTEIGE'

, '429.881.4567'

, TO\_DATE('08-AUG-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 8000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(9

,'Kurt'

,'Gruber'

,'KGRUBER'

, '429.309.9032'

, TO\_DATE('29-SEP-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 9000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(11

,'Miguel'

,'Sanchez'

, 'MSANCHEZ'

, '429.311.4511'

, TO\_DATE('11-OCT-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(12

,'Dan'

,'Chancevente'

,'DCHANCE'

, '429.312.4567'

, TO\_DATE('12-MAR-2012', 'dd-MON-yyyy')

,'SA\_REP'

, 12000

, .15

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(14

,'Greg'

,'Torson'

,'GTORSON'

, '429.311.4567'

, TO\_DATE('14-FEB-2014', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(15

,'Chris'

,'Cornel'

,'CCORNEL'

, '415.315.4567'

, TO\_DATE('15-MAR-2015', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .15

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(16

,'Bil'

, 'Gibbons'

,'BGIBBONS'

, '429.311.4567'

, TO\_DATE('23-MAR-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(17

,'Russ'

,'Pallomine'

,'RPALLOMINE'

, '429.317.4567'

, TO\_DATE('27-JUL-2017', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(18

,'Lyn'

,'Jacobs'

,'LJACOBS'

, '429.317.4567'

, TO\_DATE('18-APR-2017', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(19

,'Sally'

,'Strandherst'

,'SSTRANDHERST'

, '519.319.4567'

, TO\_DATE('19-JUL-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 9000

, .25

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(21

,'Thomas'

,'Brigade'

,'TBRIGADE'

, '429.317.4567'

, TO\_DATE('21-SEP-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(22

,'Jane'

,'Litrand'

,'JLITRAND'

, '429.317.4567'

, TO\_DATE('22-OCT-2015', 'dd-MON-yyyy')

,'SA\_REP'

, 10000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(23

,'Tony'

,'Armarillo'

,'TARMARILLO'

, '429.323.2323'

, TO\_DATE('23-NOV-2015', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(24

,'Matt'

,'Mot'

,'MMOT'

, '429.317.4567'

, TO\_DATE('24-DEC-2014', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(25

,'Gilles'

,'Turcotte'

,'GTURCOTTE'

, '429.317.4567'

, TO\_DATE('25-JAN-2011', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(26

,'Francoise'

,'LeBlanc'

,'FRLEBLANC'

, '429.317.4567'

, TO\_DATE('18-APR-2017', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(27

,'Carlos'

,'Rodriguez'

,'CRODRIGUEZ'

, '429.317.4567'

, TO\_DATE('27-APR-2015', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(28

,'Malcom'

,'Young'

,'MYOUNG'

, '429.317.4567'

, TO\_DATE('28-APR-2015', 'dd-MON-yyyy')

,'SA\_REP'

, 10000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(29

,'Charles'

,'Loo Nam'

,'CLOONAM'

, '429.317.4567'

, TO\_DATE('29-APR-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(30

,'Lee'

,'Chan'

,'LCHAN'

, '429.317.4567'

, TO\_DATE('30-JUN-2016', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(33

,'Torey'

,'Wandiko'

,'TWANDIKO'

, '429.317.4567'

, TO\_DATE('18-APR-2017', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(34

,'Kaley'

,'Gregson'

,'KGREGSON'

, '429.317.4567'

, TO\_DATE('18-APR-2017', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(35

,'Hari'

,'Krain'

,'HKRAIN'

, '429.317.4567'

, TO\_DATE('05-APR-2015', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(36

,'Ingrid'

,'Termede'

,'ITERMEDE'

, '429.336.4536'

, TO\_DATE('01-DEC-2014', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(39,

'Lisa'

,'Testorok'

,'LTESTOROK'

, '429.317.4567'

, TO\_DATE('03-MAR-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(40

,'Marthe'

,'Whiteduck'

,'MWHITEDUCK'

, '429.317.4540'

, TO\_DATE('10-APR-2014', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

INSERT INTO EMPLOYEES VALUES

(41

,'Inigo'

,'Montoya'

,'IMONTAYA'

, '429.317.4541'

, TO\_DATE('11-FEB-2013', 'dd-MON-yyyy')

,'SA\_REP'

, 11000

, .20

, 149

, 80

);

COMMIT;

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*insert data into the JOB\_GRADES table

Prompt \*\*\*\*\*\* Populating JOB\_GRADES table ....

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

);

COMMIT;

REM enable integrity constraint to DEPARTMENTS

ALTER TABLE departments

ENABLE CONSTRAINT dept\_mgr\_fk;

REM Creating table JOB\_HISTORY and populating data

Prompt \*\*\*\*\*\* Creating JOB\_HISTORY table ....

CREATE TABLE job\_history

( employee\_id NUMBER(6)

CONSTRAINT jhist\_employee\_nn NOT NULL

, start\_date DATE

CONSTRAINT jhist\_start\_date\_nn NOT NULL

, end\_date DATE

CONSTRAINT jhist\_end\_date\_nn NOT NULL

, job\_id VARCHAR2(10)

CONSTRAINT jhist\_job\_nn NOT NULL

, department\_id NUMBER(4)

, CONSTRAINT jhist\_date\_interval

CHECK (end\_date > start\_date)

) ;

CREATE UNIQUE INDEX jhist\_emp\_id\_st\_date\_pk

ON job\_history (employee\_id, start\_date) ;

ALTER TABLE job\_history

ADD ( CONSTRAINT jhist\_emp\_id\_st\_date\_pk

PRIMARY KEY (employee\_id, start\_date)

, CONSTRAINT jhist\_dept\_fk

FOREIGN KEY (department\_id)

REFERENCES departments

) ;

Prompt \*\*\*\*\*\* Populating JOB\_HISTORY table ....

INSERT INTO job\_history

VALUES (102

, TO\_DATE('13-JAN-1993', 'dd-MON-yyyy')

, TO\_DATE('24-JUL-1998', 'dd-MON-yyyy')

, 'IT\_PROG'

, 60);

INSERT INTO job\_history

VALUES (101

, TO\_DATE('21-SEP-1989', 'dd-MON-yyyy')

, TO\_DATE('27-OCT-1993', 'dd-MON-yyyy')

, 'AC\_ACCOUNT'

, 110);

INSERT INTO job\_history

VALUES (101

, TO\_DATE('28-OCT-1993', 'dd-MON-yyyy')

, TO\_DATE('15-MAR-1997', 'dd-MON-yyyy')

, 'AC\_MGR'

, 110);

INSERT INTO job\_history

VALUES (201

, TO\_DATE('17-FEB-1996', 'dd-MON-yyyy')

, TO\_DATE('19-DEC-1999', 'dd-MON-yyyy')

, 'MK\_REP'

, 20);

INSERT INTO job\_history

VALUES (114

, TO\_DATE('24-MAR-1998', 'dd-MON-yyyy')

, TO\_DATE('31-DEC-1999', 'dd-MON-yyyy')

, 'ST\_CLERK'

, 50

);

INSERT INTO job\_history

VALUES (122

, TO\_DATE('01-JAN-1999', 'dd-MON-yyyy')

, TO\_DATE('31-DEC-1999', 'dd-MON-yyyy')

, 'ST\_CLERK'

, 50

);

INSERT INTO job\_history

VALUES (200

, TO\_DATE('17-SEP-1987', 'dd-MON-yyyy')

, TO\_DATE('17-JUN-1993', 'dd-MON-yyyy')

, 'AD\_ASST'

, 90

);

INSERT INTO job\_history

VALUES (176

, TO\_DATE('24-MAR-1998', 'dd-MON-yyyy')

, TO\_DATE('31-DEC-1998', 'dd-MON-yyyy')

, 'SA\_REP'

, 80

);

INSERT INTO job\_history

VALUES (176

, TO\_DATE('01-JAN-1999', 'dd-MON-yyyy')

, TO\_DATE('31-DEC-1999', 'dd-MON-yyyy')

, 'SA\_MAN'

, 80

);

INSERT INTO job\_history

VALUES (200

, TO\_DATE('01-JUL-1994', 'dd-MON-yyyy')

, TO\_DATE('31-DEC-1998', 'dd-MON-yyyy')

, 'AC\_ACCOUNT'

, 90

);

COMMIT;

Rem

Rem This PART will create indexes for DEMO schema

Rem

SET FEEDBACK 1

SET NUMWIDTH 10

SET LINESIZE 80

--SET TRIMSPOOL ON

--SET TAB OFF

SET PAGESIZE 100

SET ECHO OFF

CREATE INDEX emp\_department\_ix

ON employees (department\_id);

CREATE INDEX emp\_job\_ix

ON employees (job\_id);

CREATE INDEX emp\_manager\_ix

ON employees (manager\_id);

CREATE INDEX emp\_name\_ix

ON employees (last\_name, first\_name);

CREATE INDEX dept\_location\_ix

ON departments (location\_id);

CREATE INDEX loc\_city\_ix

ON locations (city);

CREATE INDEX loc\_state\_province\_ix

ON locations (state\_province);

CREATE INDEX loc\_country\_ix

ON locations (country\_id);

Rem

Rem This PART will create comments for DEMO schema

Rem

SET FEEDBACK 1

SET NUMWIDTH 10

SET LINESIZE 80

--SET TRIMSPOOL ON

--SET TAB OFF

SET PAGESIZE 100

SET ECHO OFF

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

COMMENT ON TABLE countries

IS 'country table. Contains 25 rows. References with locations table.';

COMMENT ON COLUMN countries.country\_id

IS 'Primary key of countries table.';

COMMENT ON COLUMN countries.country\_name

IS 'Country name';

COMMENT ON COLUMN countries.region\_id

IS 'Region ID for the country';

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

COMMENT ON TABLE locations

IS 'Locations table that contains specific address of a specific office,

warehouse, and/or production site of a company. Does not store addresses /

locations of customers. Contains 23 rows; references with the

departments and countries tables. ';

COMMENT ON COLUMN locations.location\_id

IS 'Primary key of locations table';

COMMENT ON COLUMN locations.street\_address

IS 'Street address of an office, warehouse, or production site of a company.

Contains building number and street name';

COMMENT ON COLUMN locations.postal\_code

IS 'Postal code of the location of an office, warehouse, or production site

of a company. ';

COMMENT ON COLUMN locations.city

IS 'A not null column that shows city where an office, warehouse, or

production site of a company is located. ';

COMMENT ON COLUMN locations.state\_province

IS 'State or Province where an office, warehouse, or production site of a

company is located.';

COMMENT ON COLUMN locations.country\_id

IS 'Country where an office, warehouse, or production site of a company is

located. Foreign key to country\_id column of the countries table.';

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

COMMENT ON TABLE departments

IS 'Departments table that shows details of departments where employees

work. Contains 27 rows; references with locations, employees, and job\_history tables.';

COMMENT ON COLUMN departments.department\_id

IS 'Primary key column of departments table.';

COMMENT ON COLUMN departments.department\_name

IS 'A not null column that shows name of a department. Administration,

Marketing, Purchasing, Human Resources, Shipping, IT, Executive, Public

Relations, Sales, Finance, and Accounting. ';

COMMENT ON COLUMN departments.manager\_id

IS 'Manager\_id of a department. Foreign key to employee\_id column of employees table. The manager\_id column of the employee table references this column.';

COMMENT ON COLUMN departments.location\_id

IS 'Location id where a department is located. Foreign key to location\_id column of locations table.';

REM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

COMMENT ON TABLE employees

IS 'employees table. Contains 107 rows. References with departments,

jobs, job\_history tables. Contains a self reference.';

COMMENT ON COLUMN employees.employee\_id

IS 'Primary key of employees table.';

COMMENT ON COLUMN employees.first\_name

IS 'First name of the employee. A not null column.';

COMMENT ON COLUMN employees.last\_name

IS 'Last name of the employee. A not null column.';

COMMENT ON COLUMN employees.email

IS 'Email id of the employee';

COMMENT ON COLUMN employees.phone\_number

IS 'Phone number of the employee; includes country code and area code';

COMMENT ON COLUMN employees.hire\_date

IS 'Date when the employee started on this job. A not null column.';

COMMENT ON COLUMN employees.job\_id

IS 'Current job of the employee; foreign key to job\_id column of the

jobs table. A not null column.';

COMMENT ON COLUMN employees.salary

IS 'Monthly salary of the employee. Must be greater

than zero (enforced by constraint emp\_salary\_min)';

COMMENT ON COLUMN employees.commission\_pct

IS 'Commission percentage of the employee; Only employees in sales

department elgible for commission percentage';

COMMENT ON COLUMN employees.manager\_id

IS 'Manager id of the employee; has same domain as manager\_id in

departments table. Foreign key to employee\_id column of employees table.

(useful for reflexive joins and CONNECT BY query)';

COMMENT ON COLUMN employees.department\_id

IS 'Department id where employee works; foreign key to department\_id

column of the departments table';