**create** **database** HRDB1;

**use** HRDB1;

**CREATE** **TABLE** regions (

region\_id **INT** (11) **UNSIGNED** **NOT** **NULL**,

region\_name **VARCHAR**(25),

**PRIMARY** **KEY** (region\_id)

);

**CREATE** **TABLE** countries (

country\_id **CHAR**(2) **NOT** **NULL**,

country\_name **VARCHAR**(40),

region\_id **INT** (11) **UNSIGNED** **NOT** **NULL**,

**PRIMARY** **KEY** (country\_id)

);

**CREATE** **TABLE** locations (

location\_id **INT** (11) **UNSIGNED** **NOT** **NULL** **AUTO\_INCREMENT**,

street\_address **VARCHAR**(40),

postal\_code **VARCHAR**(12),

city **VARCHAR**(30) **NOT** **NULL**,

state\_province **VARCHAR**(25),

country\_id **CHAR**(2) **NOT** **NULL**,

**PRIMARY** **KEY** (location\_id)

);

**CREATE** **TABLE** departments (

department\_id **INT** (11) **UNSIGNED** **NOT** **NULL**,

department\_name **VARCHAR**(30) **NOT** **NULL**,

manager\_id **INT** (11) **UNSIGNED**,

location\_id **INT** (11) **UNSIGNED**,

**PRIMARY** **KEY** (department\_id)

);

**CREATE** **TABLE** jobs (

job\_id **VARCHAR**(10) **NOT** **NULL**,

job\_title **VARCHAR**(35) **NOT** **NULL**,

min\_salary **DECIMAL**(8, 0) **UNSIGNED**,

max\_salary **DECIMAL**(8, 0) **UNSIGNED**,

**PRIMARY** **KEY** (job\_id)

);

**CREATE** **TABLE** employees (

employee\_id **INT** (11) **UNSIGNED** **NOT** **NULL**,

first\_name **VARCHAR**(20),

last\_name **VARCHAR**(25) **NOT** **NULL**,

email **VARCHAR**(25) **NOT** **NULL**,

phone\_number **VARCHAR**(20),

hire\_date **DATE** **NOT** **NULL**,

job\_id **VARCHAR**(10) **NOT** **NULL**,

salary **DECIMAL**(8, 2) **NOT** **NULL**,

commission\_pct **DECIMAL**(2, 2),

manager\_id **INT** (11) **UNSIGNED**,

department\_id **INT** (11) **UNSIGNED**,

**PRIMARY** **KEY** (employee\_id)

);

**CREATE** **TABLE** job\_history (

employee\_id **INT** (11) **UNSIGNED** **NOT** **NULL**,

start\_date **DATE** **NOT** **NULL**,

end\_date **DATE** **NOT** **NULL**,

job\_id **VARCHAR**(10) **NOT** **NULL**,

department\_id **INT** (11) **UNSIGNED** **NOT** **NULL**

);

**ALTER** **TABLE** job\_history **ADD** **UNIQUE** **INDEX** (

employee\_id,

start\_date

);

**CREATE** **VIEW** emp\_details\_view

**as** (

**SELECT** e.employee\_id,

e.job\_id,

e.manager\_id,

e.department\_id,

d.location\_id,

l.country\_id,

e.first\_name,

e.last\_name,

e.salary,

e.commission\_pct,

d.department\_name,

j.job\_title,

l.city,

l.state\_province,

c.country\_name,

r.region\_name

**FROM** employees e,

departments d,

jobs j,

locations l,

countries c,

regions r

**WHERE** e.department\_id = d.department\_id

**AND** d.location\_id = l.location\_id

**AND** l.country\_id = c.country\_id

**AND** c.region\_id = r.region\_id

**AND** j.job\_id = e.job\_id );

/\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*INSERTING DATA\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*/

**INSERT** **INTO** regions

**VALUES** (

1,

'Europe'

);

**INSERT** **INTO** regions

**VALUES** (

2,

'Americas'

);

**INSERT** **INTO** regions

**VALUES** (

3,

'Asia'

);

**INSERT** **INTO** regions

**VALUES** (

3,

'Asia'

);

**INSERT** **INTO** regions

**VALUES** (

4,

'Middle East and Africa'

);

**COMMIT**;

**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

);

**COMMIT**;

**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'

);

**COMMIT**;

**SET** FOREIGN\_KEY\_CHECKS = 0;

**INSERT** **INTO** departments

**VALUES** (

10,

'Administration',

200,

1700

);

**INSERT** **INTO** departments

**VALUES** (

20,

'Marketing',

201,

1800

);

**INSERT** **INTO** departments

**VALUES** (

30,

'Purchasing',

114,

1700

);

**INSERT** **INTO** departments

**VALUES** (

40,

'Human Resources',

203,

2400

);

**INSERT** **INTO** departments

**VALUES** (

50,

'Shipping',

121,

1500

);

**INSERT** **INTO** departments

**VALUES** (

60,

'IT',

103,

1400

);

**INSERT** **INTO** departments

**VALUES** (

70,

'Public Relations',

204,

2700

);

**INSERT** **INTO** departments

**VALUES** (

80,

'Sales',

145,

2500

);

**INSERT** **INTO** departments

**VALUES** (

90,

'Executive',

100,

1700

);

**INSERT** **INTO** departments

**VALUES** (

100,

'Finance',

108,

1700

);

**INSERT** **INTO** departments

**VALUES** (

110,

'Accounting',

205,

1700

);

**INSERT** **INTO** departments

**VALUES** (

120,

'Treasury',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

130,

'Corporate Tax',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

140,

'Control And Credit',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

150,

'Shareholder Services',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

160,

'Benefits',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

170,

'Manufacturing',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

180,

'Construction',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

190,

'Contracting',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

200,

'Operations',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

210,

'IT Support',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

220,

'NOC',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

230,

'IT Helpdesk',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

240,

'Government Sales',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

250,

'Retail Sales',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

260,

'Recruiting',

**NULL**,

1700

);

**INSERT** **INTO** departments

**VALUES** (

270,

'Payroll',

**NULL**,

1700

);

**SET** FOREIGN\_KEY\_CHECKS = 1;

**COMMIT**;

**INSERT** **INTO** jobs

**VALUES** (

'AD\_PRES',

'President',

20000,

40000

);

**INSERT** **INTO** jobs

**VALUES** (

'AD\_VP',

'Administration Vice President',

15000,

30000

);

**INSERT** **INTO** jobs

**VALUES** (

'AD\_ASST',

'Administration Assistant',

3000,

6000

);

**INSERT** **INTO** jobs

**VALUES** (

'FI\_MGR',

'Finance Manager',

8200,

16000

);

**INSERT** **INTO** jobs

**VALUES** (

'FI\_ACCOUNT',

'Accountant',

4200,

9000

);

**INSERT** **INTO** jobs

**VALUES** (

'AC\_MGR',

'Accounting Manager',

8200,

16000

);

**INSERT** **INTO** jobs

**VALUES** (

'AC\_ACCOUNT',

'Public Accountant',

4200,

9000

);

**INSERT** **INTO** jobs

**VALUES** (

'SA\_MAN',

'Sales Manager',

10000,

20000

);

**INSERT** **INTO** jobs

**VALUES** (

'SA\_REP',

'Sales Representative',

6000,

12000

);

**INSERT** **INTO** jobs

**VALUES** (

'PU\_MAN',

'Purchasing Manager',

8000,

15000

);

**INSERT** **INTO** jobs

**VALUES** (

'PU\_CLERK',

'Purchasing Clerk',

2500,

5500

);

**INSERT** **INTO** jobs

**VALUES** (

'ST\_MAN',

'Stock Manager',

5500,

8500

);

**INSERT** **INTO** jobs

**VALUES** (

'ST\_CLERK',

'Stock Clerk',

2000,

5000

);

**INSERT** **INTO** jobs

**VALUES** (

'SH\_CLERK',

'Shipping Clerk',

2500,

5500

);

**INSERT** **INTO** jobs

**VALUES** (

'IT\_PROG',

'Programmer',

4000,

10000

);

**INSERT** **INTO** jobs

**VALUES** (

'MK\_MAN',

'Marketing Manager',

9000,

15000

);

**INSERT** **INTO** jobs

**VALUES** (

'MK\_REP',

'Marketing Representative',

4000,

9000

);

**INSERT** **INTO** jobs

**VALUES** (

'HR\_REP',

'Human Resources Representative',

4000,

9000

);

**INSERT** **INTO** jobs

**VALUES** (

'PR\_REP',

'Public Relations Representative',

4500,

10500

);

**COMMIT**;

**INSERT** **INTO** employees

**VALUES** (

100,

'Steven',

'King',

'SKING',

'515.123.4567',

STR\_TO\_DATE('17-JUN-1987', '%d-%M-%Y'),

'AD\_PRES',

24000,

**NULL**,

**NULL**,

90

);

**INSERT** **INTO** employees

**VALUES** (

101,

'Neena',

'Kochhar',

'NKOCHHAR',

'515.123.4568',

STR\_TO\_DATE('21-SEP-1989', '%d-%M-%Y'),

'AD\_VP',

17000,

**NULL**,

100,

90

);

**INSERT** **INTO** employees

**VALUES** (

102,

'Lex',

'De Haan',

'LDEHAAN',

'515.123.4569',

STR\_TO\_DATE('13-JAN-1993', '%d-%M-%Y'),

'AD\_VP',

17000,

**NULL**,

100,

90

);

**INSERT** **INTO** employees

**VALUES** (

103,

'Alexander',

'Hunold',

'AHUNOLD',

'590.423.4567',

STR\_TO\_DATE('03-JAN-1990', '%d-%M-%Y'),

'IT\_PROG',

9000,

**NULL**,

102,

60

);

**INSERT** **INTO** employees

**VALUES** (

104,

'Bruce',

'Ernst',

'BERNST',

'590.423.4568',

STR\_TO\_DATE('21-MAY-1991', '%d-%M-%Y'),

'IT\_PROG',

6000,

**NULL**,

103,

60

);

**INSERT** **INTO** employees

**VALUES** (

105,

'David',

'Austin',

'DAUSTIN',

'590.423.4569',

STR\_TO\_DATE('25-JUN-1997', '%d-%M-%Y'),

'IT\_PROG',

4800,

**NULL**,

103,

60

);

**INSERT** **INTO** employees

**VALUES** (

106,

'Valli',

'Pataballa',

'VPATABAL',

'590.423.4560',

STR\_TO\_DATE('05-FEB-1998', '%d-%M-%Y'),

'IT\_PROG',

4800,

**NULL**,

103,

60

);

**INSERT** **INTO** employees

**VALUES** (

107,

'Diana',

'Lorentz',

'DLORENTZ',

'590.423.5567',

STR\_TO\_DATE('07-FEB-1999', '%d-%M-%Y'),

'IT\_PROG',

4200,

**NULL**,

103,

60

);

**INSERT** **INTO** employees

**VALUES** (

108,

'Nancy',

'Greenberg',

'NGREENBE',

'515.124.4569',

STR\_TO\_DATE('17-AUG-1994', '%d-%M-%Y'),

'FI\_MGR',

12000,

**NULL**,

101,

100

);

**INSERT** **INTO** employees

**VALUES** (

109,

'Daniel',

'Faviet',

'DFAVIET',

'515.124.4169',

STR\_TO\_DATE('16-AUG-1994', '%d-%M-%Y'),

'FI\_ACCOUNT',

9000,

**NULL**,

108,

100

);

**INSERT** **INTO** employees

**VALUES** (

110,

'John',

'Chen',

'JCHEN',

'515.124.4269',

STR\_TO\_DATE('28-SEP-1997', '%d-%M-%Y'),

'FI\_ACCOUNT',

8200,

**NULL**,

108,

100

);

**INSERT** **INTO** employees

**VALUES** (

111,

'Ismael',

'Sciarra',

'ISCIARRA',

'515.124.4369',

STR\_TO\_DATE('30-SEP-1997', '%d-%M-%Y'),

'FI\_ACCOUNT',

7700,

**NULL**,

108,

100

);

**INSERT** **INTO** employees

**VALUES** (

112,

'Jose Manuel',

'Urman',

'JMURMAN',

'515.124.4469',

STR\_TO\_DATE('07-MAR-1998', '%d-%M-%Y'),

'FI\_ACCOUNT',

7800,

**NULL**,

108,

100

);

**INSERT** **INTO** employees

**VALUES** (

113,

'Luis',

'Popp',

'LPOPP',

'515.124.4567',

STR\_TO\_DATE('07-DEC-1999', '%d-%M-%Y'),

'FI\_ACCOUNT',

6900,

**NULL**,

108,

100

);

**INSERT** **INTO** employees

**VALUES** (

114,

'Den',

'Raphaely',

'DRAPHEAL',

'515.127.4561',

STR\_TO\_DATE('07-DEC-1994', '%d-%M-%Y'),

'PU\_MAN',

11000,

**NULL**,

100,

30

);

**INSERT** **INTO** employees

**VALUES** (

115,

'Alexander',

'Khoo',

'AKHOO',

'515.127.4562',

STR\_TO\_DATE('18-MAY-1995', '%d-%M-%Y'),

'PU\_CLERK',

3100,

**NULL**,

114,

30

);

**INSERT** **INTO** employees

**VALUES** (

116,

'Shelli',

'Baida',

'SBAIDA',

'515.127.4563',

STR\_TO\_DATE('24-DEC-1997', '%d-%M-%Y'),

'PU\_CLERK',

2900,

**NULL**,

114,

30

);

**INSERT** **INTO** employees

**VALUES** (

117,

'Sigal',

'Tobias',

'STOBIAS',

'515.127.4564',

STR\_TO\_DATE('24-JUL-1997', '%d-%M-%Y'),

'PU\_CLERK',

2800,

**NULL**,

114,

30

);

**INSERT** **INTO** employees

**VALUES** (

118,

'Guy',

'Himuro',

'GHIMURO',

'515.127.4565',

STR\_TO\_DATE('15-NOV-1998', '%d-%M-%Y'),

'PU\_CLERK',

2600,

**NULL**,

114,

30

);

**INSERT** **INTO** employees

**VALUES** (

119,

'Karen',

'Colmenares',

'KCOLMENA',

'515.127.4566',

STR\_TO\_DATE('10-AUG-1999', '%d-%M-%Y'),

'PU\_CLERK',

2500,

**NULL**,

114,

30

);

**INSERT** **INTO** employees

**VALUES** (

120,

'Matthew',

'Weiss',

'MWEISS',

'650.123.1234',

STR\_TO\_DATE('18-JUL-1996', '%d-%M-%Y'),

'ST\_MAN',

8000,

**NULL**,

100,

50

);

**INSERT** **INTO** employees

**VALUES** (

121,

'Adam',

'Fripp',

'AFRIPP',

'650.123.2234',

STR\_TO\_DATE('10-APR-1997', '%d-%M-%Y'),

'ST\_MAN',

8200,

**NULL**,

100,

50

);

**INSERT** **INTO** employees

**VALUES** (

122,

'Payam',

'Kaufling',

'PKAUFLIN',

'650.123.3234',

STR\_TO\_DATE('01-MAY-1995', '%d-%M-%Y'),

'ST\_MAN',

7900,

**NULL**,

100,

50

);

**INSERT** **INTO** employees

**VALUES** (

123,

'Shanta',

'Vollman',

'SVOLLMAN',

'650.123.4234',

STR\_TO\_DATE('10-OCT-1997', '%d-%M-%Y'),

'ST\_MAN',

6500,

**NULL**,

100,

50

);

**INSERT** **INTO** employees

**VALUES** (

124,

'Kevin',

'Mourgos',

'KMOURGOS',

'650.123.5234',

STR\_TO\_DATE('16-NOV-1999', '%d-%M-%Y'),

'ST\_MAN',

5800,

**NULL**,

100,

50

);

**INSERT** **INTO** employees

**VALUES** (

125,

'Julia',

'Nayer',

'JNAYER',

'650.124.1214',

STR\_TO\_DATE('16-JUL-1997', '%d-%M-%Y'),

'ST\_CLERK',

3200,

**NULL**,

120,

50

);

**INSERT** **INTO** employees

**VALUES** (

126,

'Irene',

'Mikkilineni',

'IMIKKILI',

'650.124.1224',

STR\_TO\_DATE('28-SEP-1998', '%d-%M-%Y'),

'ST\_CLERK',

2700,

**NULL**,

120,

50

);

**INSERT** **INTO** employees

**VALUES** (

127,

'James',

'Landry',

'JLANDRY',

'650.124.1334',

STR\_TO\_DATE('14-JAN-1999', '%d-%M-%Y'),

'ST\_CLERK',

2400,

**NULL**,

120,

50

);

**INSERT** **INTO** employees

**VALUES** (

128,

'Steven',

'Markle',

'SMARKLE',

'650.124.1434',

STR\_TO\_DATE('08-MAR-2000', '%d-%M-%Y'),

'ST\_CLERK',

2200,

**NULL**,

120,

50

);

**INSERT** **INTO** employees

**VALUES** (

129,

'Laura',

'Bissot',

'LBISSOT',

'650.124.5234',

STR\_TO\_DATE('20-AUG-1997', '%d-%M-%Y'),

'ST\_CLERK',

3300,

**NULL**,

121,

50

);

**INSERT** **INTO** employees

**VALUES** (

130,

'Mozhe',

'Atkinson',

'MATKINSO',

'650.124.6234',

STR\_TO\_DATE('30-OCT-1997', '%d-%M-%Y'),

'ST\_CLERK',

2800,

**NULL**,

121,

50

);

**INSERT** **INTO** employees

**VALUES** (

131,

'James',

'Marlow',

'JAMRLOW',

'650.124.7234',

STR\_TO\_DATE('16-FEB-1997', '%d-%M-%Y'),

'ST\_CLERK',

2500,

**NULL**,

121,

50

)

;

**INSERT** **INTO** employees

**VALUES** (

132,

'TJ',

'Olson',

'TJOLSON',

'650.124.8234',

STR\_TO\_DATE('10-APR-1999', '%d-%M-%Y'),

'ST\_CLERK',

2100,

**NULL**,

121,

50

);

**INSERT** **INTO** employees

**VALUES** (

133,

'Jason',

'Mallin',

'JMALLIN',

'650.127.1934',

STR\_TO\_DATE('14-JUN-1996', '%d-%M-%Y'),

'ST\_CLERK',

3300,

**NULL**,

122,

50

);

**INSERT** **INTO** employees

**VALUES** (

134,

'Michael',

'Rogers',

'MROGERS',

'650.127.1834',

STR\_TO\_DATE('26-AUG-1998', '%d-%M-%Y'),

'ST\_CLERK',

2900,

**NULL**,

122,

50

);

**INSERT** **INTO** employees

**VALUES** (

135,

'Ki',

'Gee',

'KGEE',

'650.127.1734',

STR\_TO\_DATE('12-DEC-1999', '%d-%M-%Y'),

'ST\_CLERK',

2400,

**NULL**,

122,

50

);

**INSERT** **INTO** employees

**VALUES** (

136,

'Hazel',

'Philtanker',

'HPHILTAN',

'650.127.1634',

STR\_TO\_DATE('06-FEB-2000', '%d-%M-%Y'),

'ST\_CLERK',

2200,

**NULL**,

122,

50

);

**INSERT** **INTO** employees

**VALUES** (

137,

'Renske',

'Ladwig',

'RLADWIG',

'650.121.1234',

STR\_TO\_DATE('14-JUL-1995', '%d-%M-%Y'),

'ST\_CLERK',

3600,

**NULL**,

123,

50

);

**INSERT** **INTO** employees

**VALUES** (

138,

'Stephen',

'Stiles',

'SSTILES',

'650.121.2034',

STR\_TO\_DATE('26-OCT-1997', '%d-%M-%Y'),

'ST\_CLERK',

3200,

**NULL**,

123,

50

);

**INSERT** **INTO** employees

**VALUES** (

139,

'John',

'Seo',

'JSEO',

'650.121.2019',

STR\_TO\_DATE('12-FEB-1998', '%d-%M-%Y'),

'ST\_CLERK',

2700,

**NULL**,

123,

50

);

**INSERT** **INTO** employees

**VALUES** (

140,

'Joshua',

'Patel',

'JPATEL',

'650.121.1834',

STR\_TO\_DATE('06-APR-1998', '%d-%M-%Y'),

'ST\_CLERK',

2500,

**NULL**,

123,

50

);

**INSERT** **INTO** employees

**VALUES** (

141,

'Trenna',

'Rajs',

'TRAJS',

'650.121.8009',

STR\_TO\_DATE('17-OCT-1995', '%d-%M-%Y'),

'ST\_CLERK',

3500,

**NULL**,

124,

50

);

**INSERT** **INTO** employees

**VALUES** (

142,

'Curtis',

'Davies',

'CDAVIES',

'650.121.2994',

STR\_TO\_DATE('29-JAN-1997', '%d-%M-%Y'),

'ST\_CLERK',

3100,

**NULL**,

124,

50

);

**INSERT** **INTO** employees

**VALUES** (

143,

'Randall',

'Matos',

'RMATOS',

'650.121.2874',

STR\_TO\_DATE('15-MAR-1998', '%d-%M-%Y'),

'ST\_CLERK',

2600,

**NULL**,

124,

50

);

**INSERT** **INTO** employees

**VALUES** (

144,

'Peter',

'Vargas',

'PVARGAS',

'650.121.2004',

STR\_TO\_DATE('09-JUL-1998', '%d-%M-%Y'),

'ST\_CLERK',

2500,

**NULL**,

124,

50

);

**INSERT** **INTO** employees

**VALUES** (

145,

'John',

'Russell',

'JRUSSEL',

'011.44.1344.429268',

STR\_TO\_DATE('01-OCT-1996', '%d-%M-%Y'),

'SA\_MAN',

14000,

.4,

100,

80

);

**INSERT** **INTO** employees

**VALUES** (

146,

'Karen',

'Partners',

'KPARTNER',

'011.44.1344.467268',

STR\_TO\_DATE('05-JAN-1997', '%d-%M-%Y'),

'SA\_MAN',

13500,

.3,

100,

80

);

**INSERT** **INTO** employees

**VALUES** (

147,

'Alberto',

'Errazuriz',

'AERRAZUR',

'011.44.1344.429278',

STR\_TO\_DATE('10-MAR-1997', '%d-%M-%Y'),

'SA\_MAN',

12000,

.3,

100,

80

);

**INSERT** **INTO** employees

**VALUES** (

148,

'Gerald',

'Cambrault',

'GCAMBRAU',

'011.44.1344.619268',

STR\_TO\_DATE('15-OCT-1999', '%d-%M-%Y'),

'SA\_MAN',

11000,

.3,

100,

80

);

**INSERT** **INTO** employees

**VALUES** (

149,

'Eleni',

'Zlotkey',

'EZLOTKEY',

'011.44.1344.429018',

STR\_TO\_DATE('29-JAN-2000', '%d-%M-%Y'),

'SA\_MAN',

10500,

.2,

100,

80

);

**INSERT** **INTO** employees

**VALUES** (

150,

'Peter',

'Tucker',

'PTUCKER',

'011.44.1344.129268',

STR\_TO\_DATE('30-JAN-1997', '%d-%M-%Y'),

'SA\_REP',

10000,

.3,

145,

80

);

**INSERT** **INTO** employees

**VALUES** (

151,

'David',

'Bernstein',

'DBERNSTE',

'011.44.1344.345268',

STR\_TO\_DATE('24-MAR-1997', '%d-%M-%Y'),

'SA\_REP',

9500,

.25,

145,

80

);

**INSERT** **INTO** employees

**VALUES** (

152,

'Peter',

'Hall',

'PHALL',

'011.44.1344.478968',

STR\_TO\_DATE('20-AUG-1997', '%d-%M-%Y'),

'SA\_REP',

9000,

.25,

145,

80

);

**INSERT** **INTO** employees

**VALUES** (

153,

'Christopher',

'Olsen',

'COLSEN',

'011.44.1344.498718',

STR\_TO\_DATE('30-MAR-1998', '%d-%M-%Y'),

'SA\_REP',

8000,

.2,

145,

80

);

**INSERT** **INTO** employees

**VALUES** (

154,

'Nanette',

'Cambrault',

'NCAMBRAU',

'011.44.1344.987668',

STR\_TO\_DATE('09-DEC-1998', '%d-%M-%Y'),

'SA\_REP',

7500,

.2,

145,

80

);

**INSERT** **INTO** employees

**VALUES** (

155,

'Oliver',

'Tuvault',

'OTUVAULT',

'011.44.1344.486508',

STR\_TO\_DATE('23-NOV-1999', '%d-%M-%Y'),

'SA\_REP',

7000,

.15,

145,

80

);

**INSERT** **INTO** employees

**VALUES** (

156,

'Janette',

'King',

'JKING',

'011.44.1345.429268',

STR\_TO\_DATE('30-JAN-1996', '%d-%M-%Y'),

'SA\_REP',

10000,

.35,

146,

80

);

**INSERT** **INTO** employees

**VALUES** (

157,

'Patrick',

'Sully',

'PSULLY',

'011.44.1345.929268',

STR\_TO\_DATE('04-MAR-1996', '%d-%M-%Y'),

'SA\_REP',

9500,

.35,

146,

80

);

**INSERT** **INTO** employees

**VALUES** (

158,

'Allan',

'McEwen',

'AMCEWEN',

'011.44.1345.829268',

STR\_TO\_DATE('01-AUG-1996', '%d-%M-%Y'),

'SA\_REP',

9000,

.35,

146,

80

);

**INSERT** **INTO** employees

**VALUES** (

159,

'Lindsey',

'Smith',

'LSMITH',

'011.44.1345.729268',

STR\_TO\_DATE('10-MAR-1997', '%d-%M-%Y'),

'SA\_REP',

8000,

.3,

146,

80

);

**INSERT** **INTO** employees

**VALUES** (

160,

'Louise',

'Doran',

'LDORAN',

'011.44.1345.629268',

STR\_TO\_DATE('15-DEC-1997', '%d-%M-%Y'),

'SA\_REP',

7500,

.3,

146,

80

);

**INSERT** **INTO** employees

**VALUES** (

161,

'Sarath',

'Sewall',

'SSEWALL',

'011.44.1345.529268',

STR\_TO\_DATE('03-NOV-1998', '%d-%M-%Y'),

'SA\_REP',

7000,

.25,

146,

80

);

**INSERT** **INTO** employees

**VALUES** (

162,

'Clara',

'Vishney',

'CVISHNEY',

'011.44.1346.129268',

STR\_TO\_DATE('11-NOV-1997', '%d-%M-%Y'),

'SA\_REP',

10500,

.25,

147,

80

);

**INSERT** **INTO** employees

**VALUES** (

163,

'Danielle',

'Greene',

'DGREENE',

'011.44.1346.229268',

STR\_TO\_DATE('19-MAR-1999', '%d-%M-%Y'),

'SA\_REP',

9500,

.15,

147,

80

);

**INSERT** **INTO** employees

**VALUES** (

164,

'Mattea',

'Marvins',

'MMARVINS',

'011.44.1346.329268',

STR\_TO\_DATE('24-JAN-2000', '%d-%M-%Y'),

'SA\_REP',

7200,

.10,

147,

80

);

**INSERT** **INTO** employees

**VALUES** (

165,

'David',

'Lee',

'DLEE',

'011.44.1346.529268',

STR\_TO\_DATE('23-FEB-2000', '%d-%M-%Y'),

'SA\_REP',

6800,

.1,

147,

80

);

**INSERT** **INTO** employees

**VALUES** (

166,

'Sundar',

'Ande',

'SANDE',

'011.44.1346.629268',

STR\_TO\_DATE('24-MAR-2000', '%d-%M-%Y'),

'SA\_REP',

6400,

.10,

147,

80

);

**INSERT** **INTO** employees

**VALUES** (

167,

'Amit',

'Banda',

'ABANDA',

'011.44.1346.729268',

STR\_TO\_DATE('21-APR-2000', '%d-%M-%Y'),

'SA\_REP',

6200,

.10,

147,

80

);

**INSERT** **INTO** employees

**VALUES** (

168,

'Lisa',

'Ozer',

'LOZER',

'011.44.1343.929268',

STR\_TO\_DATE('11-MAR-1997', '%d-%M-%Y'),

'SA\_REP',

11500,

.25,

148,

80

);

**INSERT** **INTO** employees

**VALUES** (

169,

'Harrison',

'Bloom',

'HBLOOM',

'011.44.1343.829268',

STR\_TO\_DATE('23-MAR-1998', '%d-%M-%Y'),

'SA\_REP',

10000,

.20,

148,

80

);

**INSERT** **INTO** employees

**VALUES** (

170,

'Tayler',

'Fox',

'TFOX',

'011.44.1343.729268',

STR\_TO\_DATE('24-JAN-1998', '%d-%M-%Y'),

'SA\_REP',

9600,

.20,

148,

80

);

**INSERT** **INTO** employees

**VALUES** (

171,

'William',

'Smith',

'WSMITH',

'011.44.1343.629268',

STR\_TO\_DATE('23-FEB-1999', '%d-%M-%Y'),

'SA\_REP',

7400,

.15,

148,

80

);

**INSERT** **INTO** employees

**VALUES** (

172,

'Elizabeth',

'Bates',

'EBATES',

'011.44.1343.529268',

STR\_TO\_DATE('24-MAR-1999', '%d-%M-%Y'),

'SA\_REP',

7300,

.15,

148,

80

);

**INSERT** **INTO** employees

**VALUES** (

173,

'Sundita',

'Kumar',

'SKUMAR',

'011.44.1343.329268',

STR\_TO\_DATE('21-APR-2000', '%d-%M-%Y'),

'SA\_REP',

6100,

.10,

148,

80

);

**INSERT** **INTO** employees

**VALUES** (

174,

'Ellen',

'Abel',

'EABEL',

'011.44.1644.429267',

STR\_TO\_DATE('11-MAY-1996', '%d-%M-%Y'),

'SA\_REP',

11000,

.30,

149,

80

);

**INSERT** **INTO** employees

**VALUES** (

175,

'Alyssa',

'Hutton',

'AHUTTON',

'011.44.1644.429266',

STR\_TO\_DATE('19-MAR-1997', '%d-%M-%Y'),

'SA\_REP',

8800,

.25,

149,

80

);

**INSERT** **INTO** employees

**VALUES** (

176,

'Jonathon',

'Taylor',

'JTAYLOR',

'011.44.1644.429265',

STR\_TO\_DATE('24-MAR-1998', '%d-%M-%Y'),

'SA\_REP',

8600,

.20,

149,

80

);

**INSERT** **INTO** employees

**VALUES** (

177,

'Jack',

'Livingston',

'JLIVINGS',

'011.44.1644.429264',

STR\_TO\_DATE('23-APR-1998', '%d-%M-%Y'),

'SA\_REP',

8400,

.20,

149,

80

);

**INSERT** **INTO** employees

**VALUES** (

178,

'Kimberely',

'Grant',

'KGRANT',

'011.44.1644.429263',

STR\_TO\_DATE('24-MAY-1999', '%d-%M-%Y'),

'SA\_REP',

7000,

.15,

149,

**NULL**

);

**INSERT** **INTO** employees

**VALUES** (

179,

'Charles',

'Johnson',

'CJOHNSON',

'011.44.1644.429262',

STR\_TO\_DATE('04-JAN-2000', '%d-%M-%Y'),

'SA\_REP',

6200,

.10,

149,

80

);

**INSERT** **INTO** employees

**VALUES** (

180,

'Winston',

'Taylor',

'WTAYLOR',

'650.507.9876',

STR\_TO\_DATE('24-JAN-1998', '%d-%M-%Y'),

'SH\_CLERK',

3200,

**NULL**,

120,

50

);

**INSERT** **INTO** employees

**VALUES** (

181,

'Jean',

'Fleaur',

'JFLEAUR',

'650.507.9877',

STR\_TO\_DATE('23-FEB-1998', '%d-%M-%Y'),

'SH\_CLERK',

3100,

**NULL**,

120,

50

);

**INSERT** **INTO** employees

**VALUES** (

182,

'Martha',

'Sullivan',

'MSULLIVA',

'650.507.9878',

STR\_TO\_DATE('21-JUN-1999', '%d-%M-%Y'),

'SH\_CLERK',

2500,

**NULL**,

120,

50

);

**INSERT** **INTO** employees

**VALUES** (

183,

'Girard',

'Geoni',

'GGEONI',

'650.507.9879',

STR\_TO\_DATE('03-FEB-2000', '%d-%M-%Y'),

'SH\_CLERK',

2800,

**NULL**,

120,

50

);

**INSERT** **INTO** employees

**VALUES** (

184,

'Nandita',

'Sarchand',

'NSARCHAN',

'650.509.1876',

STR\_TO\_DATE('27-JAN-1996', '%d-%M-%Y'),

'SH\_CLERK',

4200,

**NULL**,

121,

50

);

**INSERT** **INTO** employees

**VALUES** (

185,

'Alexis',

'Bull',

'ABULL',

'650.509.2876',

STR\_TO\_DATE('20-FEB-1997', '%d-%M-%Y'),

'SH\_CLERK',

4100,

**NULL**,

121,

50

);

**INSERT** **INTO** employees

**VALUES** (

186,

'Julia',

'Dellinger',

'JDELLING',

'650.509.3876',

STR\_TO\_DATE('24-JUN-1998', '%d-%M-%Y'),

'SH\_CLERK',

3400,

**NULL**,

121,

50

);

**INSERT** **INTO** employees

**VALUES** (

187,

'Anthony',

'Cabrio',

'ACABRIO',

'650.509.4876',

STR\_TO\_DATE('07-FEB-1999', '%d-%M-%Y'),

'SH\_CLERK',

3000,

**NULL**,

121,

50

);

**INSERT** **INTO** employees

**VALUES** (

188,

'Kelly',

'Chung',

'KCHUNG',

'650.505.1876',

STR\_TO\_DATE('14-JUN-1997', '%d-%M-%Y'),

'SH\_CLERK',

3800,

**NULL**,

122,

50

);

**INSERT** **INTO** employees

**VALUES** (

189,

'Jennifer',

'Dilly',

'JDILLY',

'650.505.2876',

STR\_TO\_DATE('13-AUG-1997', '%d-%M-%Y'),

'SH\_CLERK',

3600,

**NULL**,

122,

50

);

**INSERT** **INTO** employees

**VALUES** (

190,

'Timothy',

'Gates',

'TGATES',

'650.505.3876',

STR\_TO\_DATE('11-JUL-1998', '%d-%M-%Y'),

'SH\_CLERK',

2900,

**NULL**,

122,

50

);

**INSERT** **INTO** employees

**VALUES** (

191,

'Randall',

'Perkins',

'RPERKINS',

'650.505.4876',

STR\_TO\_DATE('19-DEC-1999', '%d-%M-%Y'),

'SH\_CLERK',

2500,

**NULL**,

122,

50

);

**INSERT** **INTO** employees

**VALUES** (

192,

'Sarah',

'Bell',

'SBELL',

'650.501.1876',

STR\_TO\_DATE('04-FEB-1996', '%d-%M-%Y'),

'SH\_CLERK',

4000,

**NULL**,

123,

50

);

**INSERT** **INTO** employees

**VALUES** (

193,

'Britney',

'Everett',

'BEVERETT',

'650.501.2876',

STR\_TO\_DATE('03-MAR-1997', '%d-%M-%Y'),

'SH\_CLERK',

3900,

**NULL**,

123,

50

);

**INSERT** **INTO** employees

**VALUES** (

194,

'Samuel',

'McCain',

'SMCCAIN',

'650.501.3876',

STR\_TO\_DATE('01-JUL-1998', '%d-%M-%Y'),

'SH\_CLERK',

3200,

**NULL**,

123,

50

);

**INSERT** **INTO** employees

**VALUES** (

195,

'Vance',

'Jones',

'VJONES',

'650.501.4876',

STR\_TO\_DATE('17-MAR-1999', '%d-%M-%Y'),

'SH\_CLERK',

2800,

**NULL**,

123,

50

);

**INSERT** **INTO** employees

**VALUES** (

196,

'Alana',

'Walsh',

'AWALSH',

'650.507.9811',

STR\_TO\_DATE('24-APR-1998', '%d-%M-%Y'),

'SH\_CLERK',

3100,

**NULL**,

124,

50

);

**INSERT** **INTO** employees

**VALUES** (

197,

'Kevin',

'Feeney',

'KFEENEY',

'650.507.9822',

STR\_TO\_DATE('23-MAY-1998', '%d-%M-%Y'),

'SH\_CLERK',

3000,

**NULL**,

124,

50

);

**INSERT** **INTO** employees

**VALUES** (

198,

'Donald',

'OConnell',

'DOCONNEL',

'650.507.9833',

STR\_TO\_DATE('21-JUN-1999', '%d-%M-%Y'),

'SH\_CLERK',

2600,

**NULL**,

124,

50

);

**INSERT** **INTO** employees

**VALUES** (

199,

'Douglas',

'Grant',

'DGRANT',

'650.507.9844',

STR\_TO\_DATE('13-JAN-2000', '%d-%M-%Y'),

'SH\_CLERK',

2600,

**NULL**,

124,

50

);

**INSERT** **INTO** employees

**VALUES** (

200,

'Jennifer',

'Whalen',

'JWHALEN',

'515.123.4444',

STR\_TO\_DATE('17-SEP-1987', '%d-%M-%Y'),

'AD\_ASST',

4400,

**NULL**,

101,

10

);

**INSERT** **INTO** employees

**VALUES** (

201,

'Michael',

'Hartstein',

'MHARTSTE',

'515.123.5555',

STR\_TO\_DATE('17-FEB-1996', '%d-%M-%Y'),

'MK\_MAN',

13000,

**NULL**,

100,

20

);

**INSERT** **INTO** employees

**VALUES** (

202,

'Pat',

'Fay',

'PFAY',

'603.123.6666',

STR\_TO\_DATE('17-AUG-1997', '%d-%M-%Y'),

'MK\_REP',

6000,

**NULL**,

201,

20

);

**INSERT** **INTO** employees

**VALUES** (

203,

'Susan',

'Mavris',

'SMAVRIS',

'515.123.7777',

STR\_TO\_DATE('07-JUN-1994', '%d-%M-%Y'),

'HR\_REP',

6500,

**NULL**,

101,

40

);

**INSERT** **INTO** employees

**VALUES** (

204,

'Hermann',

'Baer',

'HBAER',

'515.123.8888',

STR\_TO\_DATE('07-JUN-1994', '%d-%M-%Y'),

'PR\_REP',

10000,

**NULL**,

101,

70

);

**INSERT** **INTO** employees

**VALUES** (

205,

'Shelley',

'Higgins',

'SHIGGINS',

'515.123.8080',

STR\_TO\_DATE('07-JUN-1994', '%d-%M-%Y'),

'AC\_MGR',

12000,

**NULL**,

101,

110

);

**INSERT** **INTO** employees

**VALUES** (

206,

'William',

'Gietz',

'WGIETZ',

'51hr5.123.8181',

STR\_TO\_DATE('07-JUN-1994', '%d-%M-%Y'),

'AC\_ACCOUNT',

8300,

**NULL**,

205,

110

);

**COMMIT**;

**INSERT** **INTO** job\_history

**VALUES** (

102,

STR\_TO\_DATE('13-Jan-1993', '%d-%M-%Y'),

STR\_TO\_DATE('24-Jul-1998', '%d-%M-%Y'),

'IT\_PROG',

60

);

**INSERT** **INTO** job\_history

**VALUES** (

101,

STR\_TO\_DATE('21-Sep-1989', '%d-%M-%Y'),

STR\_TO\_DATE('27-Oct-1993', '%d-%M-%Y'),

'AC\_ACCOUNT',

110

);

**INSERT** **INTO** job\_history

**VALUES** (

101,

STR\_TO\_DATE('28-Oct-1993','%d-%M-%Y'),

STR\_TO\_DATE('15-Mar-1997','%d-%M-%Y'),

'AC\_MGR',

110

);

**INSERT** **INTO** job\_history

**VALUES** (

201,

STR\_TO\_DATE('27-Feb-1996','%d-%M-%Y'),

STR\_TO\_DATE('19-Dec-1999','%d-%M-%Y'),

'MK\_REP',

20

);

**INSERT** **INTO** job\_history

**VALUES** (

114,

STR\_TO\_DATE('24-Mar-1998','%d-%M-%Y'),

STR\_TO\_DATE('31-Dec-1999','%d-%M-%Y'),

'ST\_CLERK',

50

);

**INSERT** **INTO** job\_history

**VALUES** (

122,

STR\_TO\_DATE('01-Jan-1999','%d-%M-%Y'),

STR\_TO\_DATE('31-Dec-1999','%d-%M-%Y'),

'ST\_CLERK',

50

);

**INSERT** **INTO** job\_history

**VALUES** (

200,

STR\_TO\_DATE('17-Sep-1987','%d-%M-%Y'),

STR\_TO\_DATE('17-Jun-1993','%d-%M-%Y'),

'AD\_ASST',

90

);

**INSERT** **INTO** job\_history

**VALUES** (

176,

STR\_TO\_DATE('24-Mar-1998','%d-%M-%Y'),

STR\_TO\_DATE('31-Dec-1998','%d-%M-%Y'),

'SA\_REP',

80

);

**INSERT** **INTO** job\_history

**VALUES** (

176,

STR\_TO\_DATE('01-Jan-1999','%d-%M-%Y'),

STR\_TO\_DATE('31-Dec-1999','%d-%M-%Y'),

'SA\_MAN',

80

);

**INSERT** **INTO** job\_history

**VALUES** (

200,

STR\_TO\_DATE('01-Jul-1994','%d-%M-%Y'),

STR\_TO\_DATE('31-Dec-1998','%d-%M-%Y'),

'AC\_ACCOUNT',

90

);

**COMMIT**;

/\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*FOREIGN KEYS\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*/

**ALTER** **TABLE** countries **ADD** **FOREIGN** **KEY** (region\_id) **REFERENCES** regions(region\_id);

**ALTER** **TABLE** locations **ADD** **FOREIGN** **KEY** (country\_id) **REFERENCES** countries(country\_id);

**ALTER** **TABLE** departments **ADD** **FOREIGN** **KEY** (location\_id) **REFERENCES** locations(location\_id);

**ALTER** **TABLE** employees **ADD** **FOREIGN** **KEY** (job\_id) **REFERENCES** jobs(job\_id);

**ALTER** **TABLE** employees **ADD** **FOREIGN** **KEY** (department\_id) **REFERENCES** departments(department\_id);

**ALTER** **TABLE** employees **ADD** **FOREIGN** **KEY** (manager\_id) **REFERENCES** employees(employee\_id);

**ALTER** **TABLE** departments **ADD** **FOREIGN** **KEY** (manager\_id) **REFERENCES** employees (employee\_id);

**ALTER** **TABLE** job\_history **ADD** **FOREIGN** **KEY** (employee\_id) **REFERENCES** employees(employee\_id);

**ALTER** **TABLE** job\_history **ADD** **FOREIGN** **KEY** (job\_id) **REFERENCES** jobs(job\_id);

**ALTER** **TABLE** job\_history **ADD** **FOREIGN** **KEY** (department\_id) **REFERENCES** departments(department\_id);

#1

**select** \* **from** employees **join** DEPARTMENTS;

**select** \* **from** EMPLOYEES;

**select** \* **from** departments;

#2

**select** first\_name, last\_name, hire\_date **from** employees;

#3

**select** **concat**(first\_name," ", ",", " ", job\_id) **from** employees;

#4

**select** hire\_date, first\_name, department\_id **from** employees;

#5

**select** **concat\_ws**(",",employee\_id,first\_name,last\_name,email,phone\_number,hire\_date,job\_id,salary,commission\_pct,manager\_id,department\_id)

**as** "THE OUTPUT" **from** employees;

#6

**select** first\_name, last\_name, salary **from** employees

**where** salary > 2000;

#7

**select** **CONCAT**(first\_name," ", last\_name) **as** "NAME",(hire\_date) **as** "START DATE" **from** employees;

#8

**select** first\_name, last\_name, hire\_date **from** employees **order** **by** hire\_date **asc**;

#9

**select** first\_name, last\_name,salary **from** employees **order** **by** salary **desc**;

#10

**select** (first\_name)**as** name ,department\_id,salary,commission\_pct **from** employees

**where** commission\_pct **is** **not** **null**

**order** **by** salary **desc**;

#11

**select** last\_name,job\_title **from** employees **left** **join** jobs

**on** employees.job\_id = jobs.job\_id

**where** manager\_id **is** **null**;

#12

**select** last\_name,job\_title,salary **from** employees **join** jobs

**on** employees.job\_id=jobs.job\_id

**where** job\_title **in** ("Sales Representative", "Stock Clerk")

**and** salary **not** **in** (2500,3500,5000);

#2

#13

**select** **avg**(salary), min\_salary, max\_salary, commission\_pct **from** employees **join** jobs

**on** employees.job\_id = jobs.job\_id

**group** **by** salary;

#14

**select** department\_id, salary, commission\_pct **from** employees

**group** **by** department\_id;

#15

**select** **count**(first\_name), department\_id **from** employees

**group** **by** department\_id;

#16

**select** **count**(first\_name),salary department\_id **from** employees

**group** **by** department\_id;

#17

**select** first\_name, last\_name, commission\_pct **from** employees

**where** commission\_pct **is** **null**;

#18

**select** first\_name,department\_id,

**case**

**when** commission\_pct **is** **null** **then** "no commission"

**else** commission\_pct

**end** **as** appropriately

**from** employees;

#19

**select** first\_name, salary,

**case**

**when** commission\_pct > 0 **then** commission\_pct \* 2

**else** "no commission"

**end** **as** appropriately

**from** employees;

#20

#21

**select** **sum**(salary),first\_name,manager\_id **from** employees

**group** **by** first\_name

**having** manager\_id **is** **not** **null**;

#22

**select** **count**(first\_name), manager\_id, department\_id **from** employees

**group** **by** manager\_id;

#23

**select** first\_name, last\_name, department\_id,manager\_id, salary **from** employees

**group** **by** manager\_id

**having** last\_name **like** "\_a%";

#24

**select** department\_id,**sum**(salary) **from** employees

**group** **by** department\_id;

#25

**select** **max**(salary) department\_id **from** employees;

#26

**select** commission\_pct,salary,

**case**

**when** commission\_pct **is** **not** **null** **then** (salary\*0.1)

**else** 1

**end** **as** defulat

**from** employees ;

**select** \* **from** employees;

#3

#1

**select** **concat**(**upper**(**substr**(last\_name, 2, 1)), **LOWER**(**substr**(last\_name, 3, 3))) **from** employees;

#2

**select** **concat**(first\_name, "-", last\_name), **DATE\_FORMAT**(hire\_datE, "%M") **from** employees;

#4

**select** **concat**(employee\_id,"00","E"), department\_id, salary, manager\_id **from** employees;

#3

#5

**select** last\_name **as** "NAME",

**length**(last\_name) **as** "Length of Name"

**from** employees

**WHERE** LAST\_NAME **like** "J%"

**or** LAST\_NAME **like** "M%"

**or** LAST\_NAME **like** "A%";

#6

**select** last\_name, **concat**("$", salary) **as** "SALARY" **from** employees;

#7

**select** first\_name **as** "ORIGINAL", **reverse**(first\_name) **as** "REVERSE" **from** employees;

#8

#9

#10

**select** **concat**(**lower**(**substr**(first\_name,1,1)),last\_name,"@systechusa.com")**as** "E-MAIL ADDRESS" **from** employees;

#11

**select** first\_name,job\_title **from** employees **join** jobs

**on** employees.job\_id = jobs.job\_id

**where** first\_name = "TRENNA";

#12

#13

**select** first\_name, last\_name, **min**(salary) **FROM** EMPLOYEES;

#14

#(4)1

**select** last\_name,department\_id,department\_name **from** emp\_details\_view;

#2

#3

**select** last\_name,department\_name,location\_id,city,commission\_pct **from** emp\_details\_view

**where** commission\_pct **is** **not** **null**;

#4

**select** last\_name,department\_name **from** emp\_details\_view

**where** last\_name **like** "%a%";

#5

**select** last\_name,department\_id,department\_name,job\_title **from** emp\_details\_view

**where** city=" ATLANTA";

#6

**select** last\_name,manager\_id;

#7

#8

**select** FIRST\_NAME, DEPARTMENT\_ID **from** emp\_details\_view

**where** DEPARTMENT\_ID

**IN** (**select** DEPARTMENT\_ID **from** emp\_details\_view

**GROUP** **BY** DEPARTMENT\_ID

**HAVING** **COUNT**(\*)<2);

**select** \* **from** emp\_details\_view;

#9

**select** first\_name ,job\_title,department\_name,salary **from** emp\_details\_view

**where** salary <=50000 **or** salary <=30000 **or** salary <=30000 ;

#10

**select** first\_name,hire\_date,manager\_id **from** employees;

#5(1)

#1

**select** last\_name,hire\_date,department\_name **from** employees **join** departments

**on** employees.employee\_id=departments.department\_id

**group** **by** first\_name

**having** department\_name **like** "sales";

**select** department\_id **from** employees **where** department\_id = "sales";

**SELECT** last\_name, hire\_date

**FROM** employees

**WHERE** department\_id = (**SELECT** department\_id

**FROM** employees

**WHERE** last\_name = "Sales");

#2

**SELECT** employee\_id, last\_name,salary

**FROM** employees

**WHERE** salary > (**SELECT** **AVG**(salary)

**FROM** employees)

**ORDER** **BY** salary;

#3

**SELECT** employee\_id, last\_name **FROM** employees

**WHERE** last\_name **like** "%u%";

#4

**SELECT** last\_name, department\_id, job\_id **FROM** employees

**WHERE** department\_id **IN** (**SELECT** department\_id **FROM** departments

**WHERE** location\_id = "ATLANTA");

#5

**SELECT** last\_name, salary **FROM** employees

**WHERE** last\_name = "FILLMORE";

#6

**SELECT** department\_id, last\_name, job\_id

**FROM** employees

**WHERE** department\_id **IN** (**SELECT** department\_id

**FROM** departments

**WHERE** department\_name = "Operations");

**SELECT** department\_id **FROM** departments

**WHERE** department\_name = "Operations";

#7

**SELECT** employee\_id, last\_name, salary **FROM** employees

**WHERE** department\_id **IN** (**SELECT** department\_id **FROM** employees

**WHERE** last\_name **like** "%u%")

**AND** salary > (**SELECT** **AVG**(salary)**FROM** employees);

#8

#9

#10

**select** **max**(salary),last\_name,salary **from** employees;

#11

**select** first\_name,salary,**ifnull**(commission\_pct,"0") **from** employees;

#12

**select** manager\_id,salary,commission\_pct **from** employees;