A diagram of er diagram

Description automatically generated

**Assessment Criteria**

1. Do the SQL queries return accurate data?
2. Are they formatted well as per best practices?

**Submitting Assessment:**

Save all your queries in a <firstname>\_<lastname>.sql file and upload to the location shared by the Instructor.

**QUESTIONS**

----1. Display details of the employees where commission percentage is null and salary in the range 5000 to 10000 and department is 50.--

--2. Write a query to display the names of all employees in department 30. Their first name should be in lowercase and their last name in uppercase. Sequence the list in (ascending) first name, last name order. --

--3. Display average salary of employees in each department who have commission percentage.--

--4. Display manager ID and number of employees managed by the manager.--

--5. Display job ID, number of employees, sum of salary, and difference between highest salary and lowest salary of the employees of the job.--

--6. Change job ID of employee 110 to IT\_PROG if the employee belongs to department 10 and the existing job ID does not start with IT.--

--7. Display details of departments in which the maximum salary is more than 10000.---

--8. Display the city of employee whose employee ID is 105.--

--9. Joining the locations, countries, and departments tables, display the country name, city, and department name. --

--10. Joining the jobs and job\_history tables, display the job title and employee ID for all jobs, whether or not they have job history. restrict the result set to jobs whose minimum salary exceeds 9000. --

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

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CREATING TABLES\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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

CREATE TABLE regions (

region\_id int NOT NULL,

region\_name varchar(25),

PRIMARY KEY (region\_id)

);

CREATE TABLE countries (

country\_id int NOT NULL,

country\_name varchar(40),

region\_id int NOT NULL,

PRIMARY KEY (country\_id)

);

Drop table countries;

CREATE TABLE countries (

country\_id varchar(40) NOT NULL,

country\_name varchar(40),

region\_id int NOT NULL,

PRIMARY KEY (country\_id)

);

CREATE TABLE locations (

location\_id int NOT NULL,

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 NOT NULL,

department\_name VARCHAR(30) NOT NULL,

manager\_id int ,

location\_id int ,

PRIMARY KEY (department\_id)

);

CREATE TABLE jobs (

job\_id VARCHAR(10) NOT NULL,

job\_title VARCHAR(35) NOT NULL,

min\_salary DECIMAL(8, 0) ,

max\_salary DECIMAL(8, 0) ,

PRIMARY KEY (job\_id)

);

CREATE TABLE employees (

employee\_id int 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 ,

department\_id int ,

PRIMARY KEY (employee\_id)

);

CREATE TABLE job\_history (

employee\_id int NOT NULL,

start\_date DATE NOT NULL,

end\_date DATE NOT NULL,

job\_id VARCHAR(10) NOT NULL,

department\_id int NOT NULL

);

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

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

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

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 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

);

select \* from countries;

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 NUMBEReriors 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-SaNUMBERs',

'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;

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

);

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',

'17-JUN-1987',

'AD\_PRES',

24000,

NULL,

NULL,

90

);

INSERT INTO employees

VALUES (

101,

'Neena',

'Kochhar',

'NKOCHHAR',

'515.123.4568',

'21-SEP-1989',

'AD\_VP',

17000,

NULL,

100,

90

);

INSERT INTO employees

VALUES (

102,

'Lex',

'De Haan',

'LDEHAAN',

'515.123.4569',

'13-JAN-1993',

'AD\_VP',

17000,

NULL,

100,

90

);

INSERT INTO employees

VALUES (

103,

'Alexander',

'Hunold',

'AHUNOLD',

'590.423.4567',

'03-JAN-1990',

'IT\_PROG',

9000,

NULL,

102,

60

);

INSERT INTO employees

VALUES (

104,

'Bruce',

'Ernst',

'BERNST',

'590.423.4568',

'21-MAY-1991',

'IT\_PROG',

6000,

NULL,

103,

60

);

INSERT INTO employees

VALUES (

105,

'David',

'Austin',

'DAUSTIN',

'590.423.4569',

'25-JUN-1997',

'IT\_PROG',

4800,

NULL,

103,

60

);

INSERT INTO employees

VALUES (

106,

'Valli',

'Pataballa',

'VPATABAL',

'590.423.4560',

'05-FEB-1998',

'IT\_PROG',

4800,

NULL,

103,

60

);

INSERT INTO employees

VALUES (

107,

'Diana',

'Lorentz',

'DLORENTZ',

'590.423.5567',

'07-FEB-1999',

'IT\_PROG',

4200,

NULL,

103,

60

);

INSERT INTO employees

VALUES (

108,

'Nancy',

'Greenberg',

'NGREENBE',

'515.124.4569',

'17-AUG-1994',

'FI\_MGR',

12000,

NULL,

101,

100

);

INSERT INTO employees

VALUES (

109,

'Daniel',

'Faviet',

'DFAVIET',

'515.124.4169',

'16-AUG-1994',

'FI\_ACCOUNT',

9000,

NULL,

108,

100

);

INSERT INTO employees

VALUES (

110,

'John',

'Chen',

'JCHEN',

'515.124.4269',

'28-SEP-1997',

'FI\_ACCOUNT',

8200,

NULL,

108,

100

);

INSERT INTO employees

VALUES (

111,

'Ismael',

'Sciarra',

'ISCIARRA',

'515.124.4369',

'30-SEP-1997',

'FI\_ACCOUNT',

7700,

NULL,

108,

100

);

INSERT INTO employees

VALUES (

112,

'Jose Manuel',

'Urman',

'JMURMAN',

'515.124.4469',

'07-MAR-1998',

'FI\_ACCOUNT',

7800,

NULL,

108,

100

);

INSERT INTO employees

VALUES (

113,

'Luis',

'Popp',

'LPOPP',

'515.124.4567',

'07-DEC-1999',

'FI\_ACCOUNT',

6900,

NULL,

108,

100

);

INSERT INTO employees

VALUES (

114,

'Den',

'Raphaely',

'DRAPHEAL',

'515.127.4561',

'07-DEC-1994',

'PU\_MAN',

11000,

NULL,

100,

30

);

INSERT INTO employees

VALUES (

115,

'Alexander',

'Khoo',

'AKHOO',

'515.127.4562',

'18-MAY-1995',

'PU\_CLERK',

3100,

NULL,

114,

30

);

INSERT INTO employees

VALUES (

116,

'Shelli',

'Baida',

'SBAIDA',

'515.127.4563',

'24-DEC-1997',

'PU\_CLERK',

2900,

NULL,

114,

30

);

INSERT INTO employees

VALUES (

117,

'Sigal',

'Tobias',

'STOBIAS',

'515.127.4564',

'24-JUL-1997',

'PU\_CLERK',

2800,

NULL,

114,

30

);

INSERT INTO employees

VALUES (

118,

'Guy',

'Himuro',

'GHIMURO',

'515.127.4565',

'15-NOV-1998',

'PU\_CLERK',

2600,

NULL,

114,

30

);

INSERT INTO employees

VALUES (

119,

'Karen',

'Colmenares',

'KCOLMENA',

'515.127.4566',

'10-AUG-1999',

'PU\_CLERK',

2500,

NULL,

114,

30

);

INSERT INTO employees

VALUES (

120,

'Matthew',

'Weiss',

'MWEISS',

'650.123.1234',

'18-JUL-1996',

'ST\_MAN',

8000,

NULL,

100,

50

);

INSERT INTO employees

VALUES (

121,

'Adam',

'Fripp',

'AFRIPP',

'650.123.2234',

'10-APR-1997',

'ST\_MAN',

8200,

NULL,

100,

50

);

INSERT INTO employees

VALUES (

122,

'Payam',

'Kaufling',

'PKAUFLIN',

'650.123.3234',

'01-MAY-1995',

'ST\_MAN',

7900,

NULL,

100,

50

);

INSERT INTO employees

VALUES (

123,

'Shanta',

'Vollman',

'SVOLLMAN',

'650.123.4234',

'10-OCT-1997',

'ST\_MAN',

6500,

NULL,

100,

50

);

INSERT INTO employees

VALUES (

124,

'Kevin',

'Mourgos',

'KMOURGOS',

'650.123.5234',

'16-NOV-1999',

'ST\_MAN',

5800,

NULL,

100,

50

);

INSERT INTO employees

VALUES (

125,

'Julia',

'Nayer',

'JNAYER',

'650.124.1214',

'16-JUL-1997',

'ST\_CLERK',

3200,

NULL,

120,

50

);

INSERT INTO employees

VALUES (

126,

'Irene',

'Mikkilineni',

'IMIKKILI',

'650.124.1224',

'28-SEP-1998',

'ST\_CLERK',

2700,

NULL,

120,

50

);

INSERT INTO employees

VALUES (

127,

'James',

'Landry',

'JLANDRY',

'650.124.1334',

'14-JAN-1999',

'ST\_CLERK',

2400,

NULL,

120,

50

);

INSERT INTO employees

VALUES (

128,

'Steven',

'Markle',

'SMARKLE',

'650.124.1434',

'08-MAR-2000',

'ST\_CLERK',

2200,

NULL,

120,

50

);

INSERT INTO employees

VALUES (

129,

'Laura',

'Bissot',

'LBISSOT',

'650.124.5234',

'20-AUG-1997',

'ST\_CLERK',

3300,

NULL,

121,

50

);

INSERT INTO employees

VALUES (

130,

'Mozhe',

'Atkinson',

'MATKINSO',

'650.124.6234',

'30-OCT-1997',

'ST\_CLERK',

2800,

NULL,

121,

50

);

INSERT INTO employees

VALUES (

131,

'James',

'Marlow',

'JAMRLOW',

'650.124.7234',

'16-FEB-1997',

'ST\_CLERK',

2500,

NULL,

121,

50

);

INSERT INTO employees

VALUES (

132,

'TJ',

'Olson',

'TJOLSON',

'650.124.8234',

'10-APR-1999',

'ST\_CLERK',

2100,

NULL,

121,

50

);

INSERT INTO employees

VALUES (

133,

'Jason',

'Mallin',

'JMALLIN',

'650.127.1934',

'14-JUN-1996',

'ST\_CLERK',

3300,

NULL,

122,

50

);

INSERT INTO employees

VALUES (

134,

'Michael',

'Rogers',

'MROGERS',

'650.127.1834',

'26-AUG-1998',

'ST\_CLERK',

2900,

NULL,

122,

50

);

INSERT INTO employees

VALUES (

135,

'Ki',

'Gee',

'KGEE',

'650.127.1734',

'12-DEC-1999',

'ST\_CLERK',

2400,

NULL,

122,

50

);

INSERT INTO employees

VALUES (

136,

'Hazel',

'Philtanker',

'HPHILTAN',

'650.127.1634',

'06-FEB-2000',

'ST\_CLERK',

2200,

NULL,

122,

50

);

INSERT INTO employees

VALUES (

137,

'Renske',

'Ladwig',

'RLADWIG',

'650.121.1234',

'14-JUL-1995',

'ST\_CLERK',

3600,

NULL,

123,

50

);

INSERT INTO employees

VALUES (

138,

'Stephen',

'Stiles',

'SSTILES',

'650.121.2034',

'26-OCT-1997',

'ST\_CLERK',

3200,

NULL,

123,

50

);

INSERT INTO employees

VALUES (

139,

'John',

'Seo',

'JSEO',

'650.121.2019',

'12-FEB-1998',

'ST\_CLERK',

2700,

NULL,

123,

50

);

INSERT INTO employees

VALUES (

140,

'Joshua',

'Patel',

'JPATEL',

'650.121.1834',

'06-APR-1998',

'ST\_CLERK',

2500,

NULL,

123,

50

);

INSERT INTO employees

VALUES (

141,

'Trenna',

'Rajs',

'TRAJS',

'650.121.8009',

'17-OCT-1995',

'ST\_CLERK',

3500,

NULL,

124,

50

);

INSERT INTO employees

VALUES (

142,

'Curtis',

'Davies',

'CDAVIES',

'650.121.2994',

'29-JAN-1997',

'ST\_CLERK',

3100,

NULL,

124,

50

);

INSERT INTO employees

VALUES (

143,

'Randall',

'Matos',

'RMATOS',

'650.121.2874',

'15-MAR-1998',

'ST\_CLERK',

2600,

NULL,

124,

50

);

INSERT INTO employees

VALUES (

144,

'Peter',

'Vargas',

'PVARGAS',

'650.121.2004',

'09-JUL-1998',

'ST\_CLERK',

2500,

NULL,

124,

50

);

INSERT INTO employees

VALUES (

145,

'John',

'Russell',

'JRUSSEL',

'011.44.1344.429268',

'01-OCT-1996',

'SA\_MAN',

14000,

.4,

100,

80

);

INSERT INTO employees

VALUES (

146,

'Karen',

'Partners',

'KPARTNER',

'011.44.1344.467268',

'05-JAN-1997',

'SA\_MAN',

13500,

.3,

100,

80

);

INSERT INTO employees

VALUES (

147,

'Alberto',

'Errazuriz',

'AERRAZUR',

'011.44.1344.429278',

'10-MAR-1997',

'SA\_MAN',

12000,

.3,

100,

80

);

INSERT INTO employees

VALUES (

148,

'Gerald',

'Cambrault',

'GCAMBRAU',

'011.44.1344.619268',

'15-OCT-1999',

'SA\_MAN',

11000,

.3,

100,

80

);

INSERT INTO employees

VALUES (

149,

'Eleni',

'Zlotkey',

'EZLOTKEY',

'011.44.1344.429018',

'29-JAN-2000',

'SA\_MAN',

10500,

.2,

100,

80

);

INSERT INTO employees

VALUES (

150,

'Peter',

'Tucker',

'PTUCKER',

'011.44.1344.129268',

'30-JAN-1997',

'SA\_REP',

10000,

.3,

145,

80

);

INSERT INTO employees

VALUES (

151,

'David',

'Bernstein',

'DBERNSTE',

'011.44.1344.345268',

'24-MAR-1997',

'SA\_REP',

9500,

.25,

145,

80

);

INSERT INTO employees

VALUES (

152,

'Peter',

'Hall',

'PHALL',

'011.44.1344.478968',

'20-AUG-1997',

'SA\_REP',

9000,

.25,

145,

80

);

INSERT INTO employees

VALUES (

153,

'Christopher',

'Olsen',

'COLSEN',

'011.44.1344.498718',

'30-MAR-1998',

'SA\_REP',

8000,

.2,

145,

80

);

INSERT INTO employees

VALUES (

154,

'Nanette',

'Cambrault',

'NCAMBRAU',

'011.44.1344.987668',

'09-DEC-1998',

'SA\_REP',

7500,

.2,

145,

80

);

INSERT INTO employees

VALUES (

155,

'Oliver',

'Tuvault',

'OTUVAULT',

'011.44.1344.486508',

'23-NOV-1999',

'SA\_REP',

7000,

.15,

145,

80

);

INSERT INTO employees

VALUES (

156,

'Janette',

'King',

'JKING',

'011.44.1345.429268',

'30-JAN-1996',

'SA\_REP',

10000,

.35,

146,

80

);

INSERT INTO employees

VALUES (

157,

'Patrick',

'Sully',

'PSULLY',

'011.44.1345.929268',

'04-MAR-1996',

'SA\_REP',

9500,

.35,

146,

80

);

INSERT INTO employees

VALUES (

158,

'Allan',

'McEwen',

'AMCEWEN',

'011.44.1345.829268',

'01-AUG-1996',

'SA\_REP',

9000,

.35,

146,

80

);

INSERT INTO employees

VALUES (

159,

'Lindsey',

'Smith',

'LSMITH',

'011.44.1345.729268',

'10-MAR-1997',

'SA\_REP',

8000,

.3,

146,

80

);

INSERT INTO employees

VALUES (

160,

'Louise',

'Doran',

'LDORAN',

'011.44.1345.629268',

'15-DEC-1997',

'SA\_REP',

7500,

.3,

146,

80

);

INSERT INTO employees

VALUES (

161,

'Sarath',

'Sewall',

'SSEWALL',

'011.44.1345.529268',

'03-NOV-1998',

'SA\_REP',

7000,

.25,

146,

80

);

INSERT INTO employees

VALUES (

162,

'Clara',

'Vishney',

'CVISHNEY',

'011.44.1346.129268',

'11-NOV-1997',

'SA\_REP',

10500,

.25,

147,

80

);

INSERT INTO employees

VALUES (

163,

'Danielle',

'Greene',

'DGREENE',

'011.44.1346.229268',

'19-MAR-1999',

'SA\_REP',

9500,

.15,

147,

80

);

INSERT INTO employees

VALUES (

164,

'Mattea',

'Marvins',

'MMARVINS',

'011.44.1346.329268',

'24-JAN-2000',

'SA\_REP',

7200,

.10,

147,

80

);

INSERT INTO employees

VALUES (

165,

'David',

'Lee',

'DLEE',

'011.44.1346.529268',

'23-FEB-2000',

'SA\_REP',

6800,

.1,

147,

80

);

INSERT INTO employees

VALUES (

166,

'Sundar',

'Ande',

'SANDE',

'011.44.1346.629268',

'24-MAR-2000',

'SA\_REP',

6400,

.10,

147,

80

);

INSERT INTO employees

VALUES (

167,

'Amit',

'Banda',

'ABANDA',

'011.44.1346.729268',

'21-APR-2000',

'SA\_REP',

6200,

.10,

147,

80

);

INSERT INTO employees

VALUES (

168,

'Lisa',

'Ozer',

'LOZER',

'011.44.1343.929268',

'11-MAR-1997',

'SA\_REP',

11500,

.25,

148,

80

);

INSERT INTO employees

VALUES (

169,

'Harrison',

'Bloom',

'HBLOOM',

'011.44.1343.829268',

'23-MAR-1998',

'SA\_REP',

10000,

.20,

148,

80

);

INSERT INTO employees

VALUES (

170,

'Tayler',

'Fox',

'TFOX',

'011.44.1343.729268',

'24-JAN-1998',

'SA\_REP',

9600,

.20,

148,

80

);

INSERT INTO employees

VALUES (

171,

'William',

'Smith',

'WSMITH',

'011.44.1343.629268',

'23-FEB-1999',

'SA\_REP',

7400,

.15,

148,

80

);

INSERT INTO employees

VALUES (

172,

'Elizabeth',

'Bates',

'EBATES',

'011.44.1343.529268',

'24-MAR-1999',

'SA\_REP',

7300,

.15,

148,

80

);

INSERT INTO employees

VALUES (

173,

'Sundita',

'Kumar',

'SKUMAR',

'011.44.1343.329268',

'21-APR-2000',

'SA\_REP',

6100,

.10,

148,

80

);

INSERT INTO employees

VALUES (

174,

'Ellen',

'Abel',

'EABEL',

'011.44.1644.429267',

'11-MAY-1996',

'SA\_REP',

11000,

.30,

149,

80

);

INSERT INTO employees

VALUES (

175,

'Alyssa',

'Hutton',

'AHUTTON',

'011.44.1644.429266',

'19-MAR-1997',

'SA\_REP',

8800,

.25,

149,

80

);

INSERT INTO employees

VALUES (

176,

'Jonathon',

'Taylor',

'JTAYLOR',

'011.44.1644.429265',

'24-MAR-1998',

'SA\_REP',

8600,

.20,

149,

80

);

INSERT INTO employees

VALUES (

177,

'Jack',

'Livingston',

'JLIVINGS',

'011.44.1644.429264',

'23-APR-1998',

'SA\_REP',

8400,

.20,

149,

80

);

INSERT INTO employees

VALUES (

178,

'Kimberely',

'Grant',

'KGRANT',

'011.44.1644.429263',

'24-MAY-1999',

'SA\_REP',

7000,

.15,

149,

NULL

);

INSERT INTO employees

VALUES (

179,

'Charles',

'Johnson',

'CJOHNSON',

'011.44.1644.429262',

'04-JAN-2000',

'SA\_REP',

6200,

.10,

149,

80

);

INSERT INTO employees

VALUES (

180,

'Winston',

'Taylor',

'WTAYLOR',

'650.507.9876',

'24-JAN-1998',

'SH\_CLERK',

3200,

NULL,

120,

50

);

INSERT INTO employees

VALUES (

181,

'Jean',

'Fleaur',

'JFLEAUR',

'650.507.9877',

'23-FEB-1998',

'SH\_CLERK',

3100,

NULL,

120,

50

);

INSERT INTO employees

VALUES (

182,

'Martha',

'Sullivan',

'MSULLIVA',

'650.507.9878',

'21-JUN-1999',

'SH\_CLERK',

2500,

NULL,

120,

50

);

INSERT INTO employees

VALUES (

183,

'Girard',

'Geoni',

'GGEONI',

'650.507.9879',

'03-FEB-2000',

'SH\_CLERK',

2800,

NULL,

120,

50

);

INSERT INTO employees

VALUES (

184,

'Nandita',

'Sarchand',

'NSARCHAN',

'650.509.1876',

'27-JAN-1996',

'SH\_CLERK',

4200,

NULL,

121,

50

);

INSERT INTO employees

VALUES (

185,

'Alexis',

'Bull',

'ABULL',

'650.509.2876',

'20-FEB-1997',

'SH\_CLERK',

4100,

NULL,

121,

50

);

INSERT INTO employees

VALUES (

186,

'Julia',

'Dellinger',

'JDELLING',

'650.509.3876',

'24-JUN-1998',

'SH\_CLERK',

3400,

NULL,

121,

50

);

INSERT INTO employees

VALUES (

187,

'Anthony',

'Cabrio',

'ACABRIO',

'650.509.4876',

'07-FEB-1999',

'SH\_CLERK',

3000,

NULL,

121,

50

);

INSERT INTO employees

VALUES (

188,

'Kelly',

'Chung',

'KCHUNG',

'650.505.1876',

'14-JUN-1997',

'SH\_CLERK',

3800,

NULL,

122,

50

);

INSERT INTO employees

VALUES (

189,

'Jennifer',

'Dilly',

'JDILLY',

'650.505.2876',

'13-AUG-1997',

'SH\_CLERK',

3600,

NULL,

122,

50

);

INSERT INTO employees

VALUES (

190,

'Timothy',

'Gates',

'TGATES',

'650.505.3876',

'11-JUL-1998',

'SH\_CLERK',

2900,

NULL,

122,

50

);

INSERT INTO employees

VALUES (

191,

'Randall',

'Perkins',

'RPERKINS',

'650.505.4876',

'19-DEC-1999',

'SH\_CLERK',

2500,

NULL,

122,

50

);

INSERT INTO employees

VALUES (

192,

'Sarah',

'Bell',

'SBELL',

'650.501.1876',

'04-FEB-1996',

'SH\_CLERK',

4000,

NULL,

123,

50

);

INSERT INTO employees

VALUES (

193,

'Britney',

'Everett',

'BEVERETT',

'650.501.2876',

'03-MAR-1997',

'SH\_CLERK',

3900,

NULL,

123,

50

);

INSERT INTO employees

VALUES (

194,

'Samuel',

'McCain',

'SMCCAIN',

'650.501.3876',

'01-JUL-1998',

'SH\_CLERK',

3200,

NULL,

123,

50

);

INSERT INTO employees

VALUES (

195,

'Vance',

'Jones',

'VJONES',

'650.501.4876',

'17-MAR-1999',

'SH\_CLERK',

2800,

NULL,

123,

50

);

INSERT INTO employees

VALUES (

196,

'Alana',

'Walsh',

'AWALSH',

'650.507.9811',

'24-APR-1998',

'SH\_CLERK',

3100,

NULL,

124,

50

);

INSERT INTO employees

VALUES (

197,

'Kevin',

'Feeney',

'KFEENEY',

'650.507.9822',

'23-MAY-1998',

'SH\_CLERK',

3000,

NULL,

124,

50

);

INSERT INTO employees

VALUES (

198,

'Donald',

'OConnell',

'DOCONNEL',

'650.507.9833',

'21-JUN-1999',

'SH\_CLERK',

2600,

NULL,

124,

50

);

INSERT INTO employees

VALUES (

199,

'Douglas',

'Grant',

'DGRANT',

'650.507.9844',

'13-JAN-2000',

'SH\_CLERK',

2600,

NULL,

124,

50

);

INSERT INTO employees

VALUES (

200,

'Jennifer',

'Whalen',

'JWHALEN',

'515.123.4444',

'17-SEP-1987',

'AD\_ASST',

4400,

NULL,

101,

10

);

INSERT INTO employees

VALUES (

201,

'Michael',

'Hartstein',

'MHARTSTE',

'515.123.5555',

'17-FEB-1996',

'MK\_MAN',

13000,

NULL,

100,

20

);

INSERT INTO employees

VALUES (

202,

'Pat',

'Fay',

'PFAY',

'603.123.6666',

'17-AUG-1997',

'MK\_REP',

6000,

NULL,

201,

20

);

INSERT INTO employees

VALUES (

203,

'Susan',

'Mavris',

'SMAVRIS',

'515.123.7777',

'07-JUN-1994',

'HR\_REP',

6500,

NULL,

101,

40

);

INSERT INTO employees

VALUES (

204,

'Hermann',

'Baer',

'HBAER',

'515.123.8888',

'07-JUN-1994',

'PR\_REP',

10000,

NULL,

101,

70

);

INSERT INTO employees

VALUES (

205,

'Shelley',

'Higgins',

'SHIGGINS',

'515.123.8080',

'07-JUN-1994',

'AC\_MGR',

12000,

NULL,

101,

110

);

INSERT INTO employees

VALUES (

206,

'William',

'Gietz',

'WGIETZ',

'51hr5.123.8181',

'07-JUN-1994',

'AC\_ACCOUNT',

8300,

NULL,

205,

110

);

COMMIT;

INSERT INTO job\_history

VALUES (

102,

'13-Jan-1993',

'24-Jul-1998',

'IT\_PROG',

60

);

INSERT INTO job\_history

VALUES (

101,

'21-Sep-1989',

'27-Oct-1993',

'AC\_ACCOUNT',

110

);

INSERT INTO job\_history

VALUES (

101,

'28-Oct-1993',

'15-Mar-1997',

'AC\_MGR',

110

);

INSERT INTO job\_history

VALUES (

201,

'27-Feb-1996',

'19-Dec-1999',

'MK\_REP',

20

);

INSERT INTO job\_history

VALUES (

114,

'24-Mar-1998',

'31-Dec-1999',

'ST\_CLERK',

50

);

INSERT INTO job\_history

VALUES (

122,

'01-Jan-1999',

'31-Dec-1999',

'ST\_CLERK',

50

);

INSERT INTO job\_history

VALUES (

200,

'17-Sep-1987',

'17-Jun-1993',

'AD\_ASST',

90

);

INSERT INTO job\_history

VALUES (

176,

'24-Mar-1998',

'31-Dec-1998',

'SA\_REP',

80

);

INSERT INTO job\_history

VALUES (

176,

'01-Jan-1999',

'31-Dec-1999',

'SA\_MAN',

80

);

INSERT INTO job\_history

VALUES (

200,

'01-Jul-1994',

'31-Dec-1998',

'AC\_ACCOUNT',

90

);

COMMIT;

select \* from job\_history;

select \* from employee;

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

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*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); ----Pending

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);