

Data Associate BatchDA 13 Batch

HR Database

Ritviz singh

-

Yesterday



[hr-schema.sql](#)
[SQL](#)

Class comments



```
/**
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 * all without asking permission.
 *
 * @Author: Andrei N. CIOBANU
 */

DROP SCHEMA

IF EXISTS hr;
    CREATE SCHEMA hr COLLATE = utf8_general_ci;

USE hr;

/* *****CREATING TABLES***** */
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 (
    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',

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```
        '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);

```

hr-schema.sql