

## **CREATE POSITION TABLE**

USE sample\_hr\_data;

CREATE TABLE position (

position\_id INT AUTO\_INCREMENT PRIMARY KEY,  
job\_title VARCHAR (100) NOT NULL,  
location\_id INT DEFAULT NULL,  
status VARCHAR (20) DEFAULT NULL,  
ee\_holder\_id INT DEFAULT NULL,  
standard\_wkly\_hrs INT DEFAULT NULL,  
job\_code VARCHAR (4) DEFAULT NULL,  
job-level VARCHAR (10) DEFAULT NULL,  
reg\_temp VARCHAR (15) DEFAULT NULL,  
full\_part\_time VARCHAR (9) DEFAULT NULL,  
ee\_group VARCHAR (20) DEFAULT NULL,  
ee\_sub\_group VARCHAR (6) DEFAULT NULL,  
pay\_grade VARCHAR (3) DEFAULT NULL,  
company VARCHAR (20) DEFAULT NULL,  
business\_unit\_num INT DEFAULT NULL,  
business\_unit\_name VARCHAR (50) DEFAULT NULL,  
division\_num INT DEFAULT NULL,  
division\_name VARCHAR (50) DEFAULT NULL,  
department\_num INT DEFAULT NULL,  
department\_name VARCHAR (50) DEFAULT NULL,  
cost\_center\_num INT DEFAULT NULL,  
cost\_center\_name VARCHAR (12) DEFAULT NULL,

## **POSITION CREATION**

INSERT INTO position (job\_title, location\_id, business\_unit\_name, division\_name, department\_name)

VALUES

("Director of Warehouse IL - FC - 1003",1003,"Distribution","Distribution","Warehouse"),

("Operations Manager - S1 - AM",1003,"Distribution","Distribution","Warehouse"),

("Operations Manager - S2 - PM",1003,"Distribution","Distribution","Warehouse"),

("Operations Manager - S3 - N",1003,"Distribution","Distribution","Warehouse"),  
("Director of Sortation Warehouse NJ - SC -1355",1355,"Distribution","Sortation","Warehouse"),  
("Admin Assistant to Director of Sortation Warehouse",1355,"Distribution","Sortation","Warehouse"),  
("Assistant Sortation Warehouse Manager - S1- AM",1355,"Distribution","Sortation","Warehouse"),  
("Assistant Sortation Warehouse Manager - S1- AM",1355,"Distribution","Sortation","Warehouse"),  
("Assistant Sortation Warehouse Manager - S2 - PM",1355,"Distribution","Sortation","Warehouse")

### **CREATE LOCATIONS TABLE**

USE sample\_hr\_data;

CREATE TABLE locations (

location\_id INT (11) AUTO\_INCREMENT PRIMARY KEY,

location\_type VARCHAR (45) DEFAULT NULL,

street\_address VARCHAR (100) DEFAULT NULL,

street\_2 VARCHAR (45) DEFAULT NULL,

postal\_code VARCHAR (12) DEFAULT NULL,

city VARCHAR (30) NOT NULL,

state\_province VARCHAR (25) DEFAULT NULL,

postal\_code VARCHAR (12) DEFAULT NULL,

county VARCHAR (45) DEFAULT NULL,

country\_id CHAR (2) NOT NULL,

FOREIGN KEY (country\_id) REFERENCES countries (country\_id) ON DELETE CASCADE ON UPDATE CASCADE

### **INSERT DATA IN TO LOCATIONS TABLE**

INSERT INTO locations (location\_id, location\_type, street\_address, street\_2, city, state\_province, postal\_code, country\_id)

VALUES

(1014,"Delivery Center","2254 South Halsted Street","Suite 214","Chicago","IL",60608,"US"),

(1103,"Delivery Center","343 STATE Hwy 177","Building 1","Jackson","MO",63755,"US"),

(1121,"Delivery Center","1393 Helgesen Drive","Suite 1","Madison","WI",53558,"US"),

(1133,"Delivery Center","544 Wilbur Cross Way","Suite 104","Mansfield","CT",06268,"US")

### **CREATE US REGION TABLE**

USE sample\_hr\_data;

```
CREATE TABLE US_regions (  
    state_abbr VARCHAR(2),  
    state_name VARCHAR(50),  
    region_name VARCHAR (50))
```

#### **INSERT DATA IN TO US REGIONS TABLE**

INSERT INTO US\_regions (state\_abbr, state\_name, region\_name)

VALUES

```
("AL","Alabama","SE"),  
("AK","Alaska","Pacific"),  
("AZ","Arizona","SW"),  
("AR","Arkansas","South"),  
("CA","California","SW"),  
("CO","Colorado","South"),  
("CT","Connecticut","NE"),  
("DE","Delaware","NE"),  
("DC","District of Columbia","NE"),  
("FL","Florida","SE"),  
("GA","Georgia","SE")
```

#### **UPDATE POSITION TABLE - JOB TITLE AND EMPLOYEE HOLDER ID**

```
UPDATE position SET job_title = "HRBP Distribution", holder_ee_id = 57310 WHERE position_id = 10000180;  
UPDATE position SET job_title = "HR Analytics Specialist", holder_ee_id = 16944 WHERE position_id = 10000192;  
UPDATE position SET job_title = "HR Analytics Specialist", holder_ee_id = 17371 WHERE position_id = 10000193;  
UPDATE position SET job_title = "HR Analytics Specialist", holder_ee_id = 77159 WHERE position_id = 10000194;  
UPDATE position SET job_title = "HR Analytics Specialist", holder_ee_id = 77185 WHERE position_id = 10000195;
```

#### **JOIN TABLES: EMPLOYEES, POSITION, LOCATIONS**

USE sample\_hr\_data;

```
SELECT e.employee_id, e.first_name, e.last_name, p.position_id, p.pay_grade, p.job_title, p.business_unit_name,  
p.division_name, p.department_name, l.location_id, l.location_name, l.state_province, r.region_name
```

```
FROM employees e
JOIN position p
    ON e.position_id = p.position_id
JOIN locations l
    ON p.location_id = l.location_id
JOIN us_regions r
    ON l.state_province = r.state_abbr
```

#### **JOIN TABLES: LOCATIONS AND US\_REGIONS**

```
SELECT l.location_id, l.location_name, l.city, l.state_province, l.postal_code, usr.state_name, usr.region_name
FROM locations l
JOIN us_regions usr
    ON usr.state_abbr = l.state_province ON usr.state_abbr = l.state_province
```

#### **JOIN TABLES: POSITION, LOCATIONS, US\_REGIONS**

```
SELECT p.position_id, p.job_title, p.location_id, p.business_unit_name, p.division_name, p.department_name,
l.location_id, l.location_name, l.city, l.state_province, l.postal_code, usr.state_name, usr.region_name
FROM position p
JOIN locations l
    ON l.location_id = p.location_id
JOIN us_regions usr
    ON usr.state_abbr = l.state_province
```