

## MySQL – CREATE DATABASE AND TABLES

### MySQL - CREATE DATABASE

CREATE DATABASE portfolio;

### CREATE EMPLOYEE TABLE

USE portfolio;

CREATE TABLE employees(  
    employee\_id INT(11) PRIMARY KEY AUTO INCREMENT,  
    name\_prefix VARCHAR(5) NOT NULL,  
    sex VARCHAR(6) NOT NULL,  
    race VARCHAR(10),  
    birthdate DATE,  
    status VARCHAR(20) NOT NULL,  
    hire\_date DATE,  
    term\_date DATE,  
    marital\_status VARCHAR(12),  
    spouse\_ee\_num INT DEFAULT NULL,  
    city VARCHAR(30),  
    state VARCHAR(25),  
    county VARCHAR(30),  
    postal\_code VARCHAR(9));

### CREATE JOB CODE TABLE

USE portfolio;

CREATE TABLE job\_code(  
    job\_code VARCHAR(5) PRIMARY KEY,  
    job\_code\_name VARCHAR(50) NOT NULL,  
    salary\_Min DECIMAL(10,2) NOT NULL,  
    salary\_Max DECIMAL(10,2) NOT NULL,  
    salary\_25th\_Percentile DECIMAL(10,2),  
    salary\_Median\_50th\_Percentile DECIMAL(10,2),

salary\_75th\_Percentile DECIMAL(10,2),  
job\_family\_code VARCHAR(4) NOT NULL,  
job\_sub\_family\_code VARCHAR(4) NOT NULL,  
level\_code INT(1) NOT NULL,  
weekly\_hours INT(2) NOT NULL,  
OT\_eligible VARCHAR(3),  
Wagetype\_code INT(2) NOT NULL,  
location\_code INT(1) NOT NULL,  
region\_code INT(2) NOT NULL,  
territory\_code INT(3) NOT NULL);

#### **CREATE POSITION TABLE**

USE portfolio;

CREATE TABLE position (  
position\_number INT(8) PRIMARY KEY,  
position\_name VARCHAR(50) NOT NULL,  
functional\_job\_title VARCHAR(100) NOT NULL,  
job\_code VARCHAR(5),  
job\_family\_code VARCHAR(4) NOT NULL,  
job\_sub\_family\_code VARCHAR(4) NOT NULL,  
Wagetype\_code INT(2) NOT NULL);

#### **CREATE JOB FAMILY TABLE**

USE portfolio;

CREATE TABLE job\_family (  
job\_family\_code VARCHAR(4) PRIMARY KEY,  
job\_family\_name VARCHAR(25) NOT NULL);

#### **CREATE JOB SUB FAMILY TABLE**

USE portfolio;

CREATE TABLE job\_sub\_family (  
job\_sub\_family\_code VARCHAR(4) PRIMARY KEY,

job\_sub\_family\_name VARCHAR(25) NOT NULL);

#### **CREATE JOB FAMILY/SUB FAMILY HIERARCHY TABLE**

USE portfolio;

```
CREATE TABLE job_hierarchy (  
    code INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(100) NOT NULL,  
    parent_id INT NULL,  
    FOREIGN KEY (parent_id) REFERENCES job_hierarchy(code));
```

#### **CREATE LEVEL TABLE**

USE portfolio;

```
CREATE TABLE level (  
    level_code VARCHAR(1) PRIMARY KEY,  
    level_name VARCHAR(15) NOT NULL);
```

#### **CREATE LOCATION TABLE**

USE portfolio;

```
CREATE TABLE location (  
    location_code VARCHAR(1) PRIMARY KEY,  
    location_name VARCHAR(15) NOT NULL);
```

#### **CREATE REGION TABLE**

USE portfolio;

```
CREATE TABLE region (  
    region_code VARCHAR(2) PRIMARY KEY,  
    region_name VARCHAR(15) NOT NULL);
```

#### **CREATE TERRITORY TABLE**

USE portfolio;

```
CREATE TABLE territory (  

```

```
territory_code VARCHAR(3) PRIMARY KEY,  
territory_name VARCHAR(15) NOT NULL,  
state_abbrev VARCHAR(2) NOT NULL,  
HQ VARCHAR(15),  
latitude DECIMAL(8,6),  
longitude DECIMAL(9,6));
```

#### **CREATE LOCATION/REGION/TERRITORY HIERARCHY TABLE**

USE portfolio;

```
CREATE TABLE location_hierarchy (  
    code INT PRIMARY KEY,  
    name VARCHAR(100) NOT NULL,  
    parent_id INT NULL,  
    FOREIGN KEY (parent_id) REFERENCES job_hierarchy(code));
```

#### **CREATE WAGETYPE TABLE**

```
CREATE TABLE wagetype (  
    wagetype_code VARCHAR(2) PRIMARY KEY,  
    wagetype_name VARCHAR(10) NOT NULL);
```