

## 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_abbv 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);
```