CREATE DATABASE SMARTGARDEN;

USE SMARTGARDEN;

CREATE TABLE Temperature(

TempID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

TempName VARCHAR(50) NOT NULL,

GPIO INT UNSIGNED NOT NULL,

ReadingTemp INT,

ReadingHumidity INT,

PRIMARY KEY (TempID)

);

CREATE TABLE Moisture(

MoistID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

MoistName VARCHAR(50) NOT NULL,

Channel INT UNSIGNED NOT NULL,

Reading INT,

PRIMARY KEY (MoistID)

);

CREATE TABLE Light(

LightID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

LightName VARCHAR(50) NOT NULL,

GPIO INT UNSIGNED NOT NULL,

Reading VARCHAR(10),

PRIMARY KEY (LightID)

);

CREATE TABLE LDR(

LDRID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

LDRName VARCHAR(50) NOT NULL,

Channel INT UNSIGNED NOT NULL,

Reading INT,

PRIMARY KEY (LDRID)

);

CREATE TABLE Fan(

FanID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

FanName VARCHAR(50) NOT NULL,

GPIO INT UNSIGNED NOT NULL,

Reading VARCHAR(10),

PRIMARY KEY (FanID)

);

CREATE TABLE WaterLevel(

WaterID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

WaterName VARCHAR(50) NOT NULL,

GPIO INT UNSIGNED NOT NULL,

Channel INT UNSIGNED NOT NULL,

Reading VARCHAR(50),

PRIMARY KEY (WaterID)

);

CREATE TABLE Valve(

ValveID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

ValveName VARCHAR(50) NOT NULL,

GPIO INT UNSIGNED NOT NULL,

Reading VARCHAR(10),

PRIMARY KEY (ValveID)

);

CREATE TABLE Pump(

PumpID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

PumpName VARCHAR(50) NOT NULL,

GPIO INT UNSIGNED NOT NULL,

Reading VARCHAR(10),

PRIMARY KEY (PumpID)

);