SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='TRADITIONAL';

DROP SCHEMA IF EXISTS Cooking\_Competition;

CREATE SCHEMA Cooking\_Competition;

USE Cooking\_Competition;

CREATE TABLE Recipe (

Recipe\_ID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

`Name` VARCHAR(45) NOT NULL,

`Type` ENUM ('cooking','pastry') NOT NULL,

Cuisine\_ID INT UNSIGNED,

`Description` text NOT NULL,

`Difficulty\_level` TINYINT UNSIGNED NOT NULL CHECK (Difficulty\_level BETWEEN 1 AND 5),

Preparation\_Time TIME,

Cooking\_Time TIME,

Quantity INT UNSIGNED NOT NULL,

Main\_Ingredient\_ID INT UNSIGNED,

PRIMARY KEY (Recipe\_ID),

CONSTRAINT `fk\_recipe\_cuisine` FOREIGN KEY (Cuisine\_ID) REFERENCES Cuisine(Cuisine\_ID) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT `fk\_recipe\_ingredient` FOREIGN KEY (Main\_Ingredient\_ID) REFERENCES Ingredients(Ingredients\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE Cuisine (

Cuisine\_ID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

Cuisine\_Name VARCHAR(50) NOT NULL,

PRIMARY KEY (Cuisine\_ID)

);

CREATE TABLE MealType (

MealType\_ID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

Recipe\_ID INT UNSIGNED NOT NULL,

MealType\_Name VARCHAR(50) NOT NULL,

PRIMARY KEY (MealType\_ID),

CONSTRAINT fk\_recipe\_mealtype FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(Recipe\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE Label (

Label\_ID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

Label\_Name VARCHAR(50) NOT NULL,

Recipe\_ID INT UNSIGNED NOT NULL,

PRIMARY KEY (Label\_ID),

CONSTRAINT `fk\_recipe\_label` FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(Recipe\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE Equipment (

Equipment\_ID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

Equipment\_Name VARCHAR(50) NOT NULL,

Equipment\_Instruction TEXT NOT NULL,

PRIMARY KEY (Equipment\_ID)

);

CREATE TABLE Recipe\_Equipment (

Rec\_Equip\_ID INT UNSIGNED NOT NULL auto\_increment,

Recipe\_ID INT UNSIGNED NOT NULL,

Equipment\_ID INT UNSIGNED NOT NULL,

PRIMARY KEY (Rec\_Equip\_ID),

CONSTRAINT `fk\_recipe\_equipment\_recipe` FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(Recipe\_ID) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT `fk\_recipe\_equipment\_equipment` FOREIGN KEY (Equipment\_ID) REFERENCES Equipment(Equipment\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE Steps (

Step\_ID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

Recipe\_ID INT UNSIGNED NOT NULL,

Step\_Text TEXT NOT NULL,

PRIMARY KEY (`Step\_ID`),

CONSTRAINT `fk\_steps\_recipe` FOREIGN KEY (`Recipe\_ID`) REFERENCES `Recipe`(`Recipe\_ID`) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE Ingredients (

Ingredients\_ID INT UNSIGNED AUTO\_INCREMENT,

Ingredient\_Name VARCHAR(50) NOT NULL,

FoodGroup\_ID INT UNSIGNED,

Calories\_per\_100 INT UNSIGNED,

PRIMARY KEY (Ingredients\_ID),

CONSTRAINT `fk\_ingredients\_group` FOREIGN KEY(FoodGroup\_ID) REFERENCES FoodGroup(FoodGroup\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE Ingr\_Rec (

Recipe\_ID INT UNSIGNED NOT NULL,

Ingredients\_ID INT UNSIGNED NOT NULL,

Ingredient\_Quantity DECIMAL(10, 2) NOT NULL,

PRIMARY KEY (Recipe\_ID , Ingredients\_ID),

CONSTRAINT `fk\_recipe\_ingredients\_recipe` FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(Recipe\_ID) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT `fk\_recipe\_ingredients\_ingredient` FOREIGN KEY (Ingredients\_ID) REFERENCES Ingredients(Ingredients\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE FoodGroup (

FoodGroup\_ID INT UNSIGNED NOT NULL AUTO\_INCREMENT,

FoodGroup\_Name VARCHAR(50) NOT NULL,

FoodGroup\_Description TEXT,

Diet\_Type VARCHAR(50) NOT NULL,

PRIMARY KEY (FoodGroup\_ID)

);

CREATE TABLE Cook (

Cook\_ID INT UNSIGNED AUTO\_INCREMENT,

Cook\_Name VARCHAR(50),

Surname VARCHAR(50),

Phone VARCHAR(20),

DateOfBirth DATE,

Age INT,

Experience INT,

`Rank` ENUM("C' Cook", "B' Cook", "A' Cook","Sous-Chef","Head Chef"),

PRIMARY KEY (Cook\_ID)

);

CREATE TABLE Specialization (

Specialization\_ID INT UNSIGNED AUTO\_INCREMENT,

Cook\_ID INT UNSIGNED ,

Cuisine\_ID INT UNSIGNED NOT NULL,

PRIMARY KEY (Specialization\_ID),

CONSTRAINT `fk\_Specialization\_cuisine` FOREIGN KEY (Cuisine\_ID) REFERENCES Cuisine(Cuisine\_ID) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT `fk\_Specialization\_Cook` FOREIGN KEY (Cook\_ID) REFERENCES Cook(Cook\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE Theme (

Theme\_Name VARCHAR(50) NOT NULL,

Theme\_Description TEXT,

Theme\_ID INT UNSIGNED NOT NULL auto\_increment,

PRIMARY KEY (Theme\_ID)

);

CREATE TABLE Rec\_Them (

Rec\_Them\_ID INT UNSIGNED NOT NULL auto\_increment,

Recipe\_ID INT UNSIGNED NOT NULL,

Theme\_ID INT UNSIGNED NOT NULL,

PRIMARY KEY (Rec\_Them\_ID),

CONSTRAINT `fk\_theme\_recipe` FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(Recipe\_ID) ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT `fk\_rec\_them\_theme` FOREIGN KEY (Theme\_ID) REFERENCES Theme(Theme\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE NutritionalInfo (

Recipe\_ID INT UNSIGNED NOT NULL,

Calories INT UNSIGNED,

Fat INT UNSIGNED,

Proteins INT UNSIGNED,

Carbs INT UNSIGNED,

PRIMARY KEY (Recipe\_ID),

CONSTRAINT `fk\_nutrinfo\_recipe` FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(Recipe\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE Tip (

Tip\_ID INT UNSIGNED NOT NULL AUTO\_INCREMENT ,

Tip\_Text TEXT,

Recipe\_ID INT UNSIGNED NOT NULL,

PRIMARY KEY (Tip\_ID),

CONSTRAINT `fk\_tip\_recipe` FOREIGN KEY (Recipe\_ID) REFERENCES Recipe(Recipe\_ID) ON DELETE RESTRICT ON UPDATE CASCADE

);

CREATE TABLE Score (

Score\_ID INT UNSIGNED AUTO\_INCREMENT,

Episode\_Name INT,

Judge\_ID INT UNSIGNED,

Cook\_ID INT UNSIGNED,

Score\_Value INT,

PRIMARY KEY (Score\_ID)

);

CREATE TABLE Episode(

Episode\_ID INT UNSIGNED AUTO\_INCREMENT,

Episode\_Name INT,

Cook\_ID INT UNSIGNED,

Recipe\_ID INT UNSIGNED,

`Year` INT ,

PRIMARY KEY (Episode\_ID)

);