**Final Project – SQL SCRIPT**

**SET NAMES utf8mb4;**

**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 food\_inspections;**

**CREATE SCHEMA food\_inspections;**

**USE food\_inspections;**

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**-- Table structure for table `business\_detail`**

**CREATE TABLE business\_detail (**

**dba\_id SMALLINT UNSIGNED NOT NULL AUTO\_INCREMENT,**

**dba\_name VARCHAR(250),**

**aka\_name VARCHAR(45) NOT NULL,**

**Licence\_no VARCHAR(45) NOT NULL,**

**facility\_type VARCHAR(45),**

**last\_update TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,**

**PRIMARY KEY (dba\_id)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;**

**CREATE TABLE address (**

**address\_id SMALLINT UNSIGNED NOT NULL AUTO\_INCREMENT,**

**street VARCHAR(50) NOT NULL,**

**city VARCHAR(50) NOT NULL,**

**state VARCHAR(20) DEFAULT NULL,**

**zip VARCHAR(20) NOT NULL,**

**-- Add GEOMETRY column for MySQL 5.7.5 and higher**

**-- Also include SRID attribute for MySQL 8.0.3 and higher**

**last\_update TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,**

**PRIMARY KEY (address\_id)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;**

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**-- Table structure for table `inspection\_details`**

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**CREATE TABLE inspection\_details (**

**inspection\_id INT,**

**inspection\_date DATE,**

**inspection\_type VARCHAR(50),**

**results VARCHAR(50),**

**violoations VARCHAR(100),**

**last\_update TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,**

**PRIMARY KEY (inspection\_id)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;**

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**-- Table structure for table `license\_details`**

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**CREATE TABLE license\_details (**

**license\_id INT,**

**doing\_business\_as\_name VARCHAR(250),**

**license\_code INT,**

**license\_description VARCHAR(250),**

**business\_activity\_id VARCHAR (50),**

**business\_activity VARCHAR(50),**

**license\_number VARCHAR(45),**

**license\_term\_start\_date DATETIME,**

**license\_term\_expiration\_date DATETIME,**

**license\_approved\_for\_issuance DATETIME,**

**date\_issued DATETIME,**

**license\_status VARCHAR(50),**

**last\_update TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,**

**PRIMARY KEY (license\_id)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;**

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**-- Table structure for table `application\_details`**

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**CREATE TABLE application\_details (**

**application\_id MEDIUMINT UNSIGNED NOT NULL AUTO\_INCREMENT,**

**application\_type VARCHAR(25),**

**application\_created\_date DATETIME,**

**application\_requirements\_complete VARCHAR(25),**

**payment\_date DATETIME,**

**conditional\_approval VARCHAR(25),**

**last\_update TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,**

**PRIMARY KEY (application\_id)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;**

1. **WHAT IS THE PROPORTION OF HIGH RISK FOOD ESTABLISHMENTS?**

**SELECt risk ,count(dba\_id)**

**FROM inspection\_details a**

**LEFT JOIN business\_detail b on a.inspection\_id = b.inspection\_id**

**WHERE facilty\_type = ‘Restaurant’**

**GROUP By risk;**

**2)WHAT ARE THE MOST INSPECTED FACILITY TYPES?**

**SELECT facility\_type, count(inspection\_id)**

**FROM business\_detail a**

**left join inspection\_details b on a.inspection\_id = b.inspection\_id**

**GROUP BY facility\_type;**

#### 3)WHAT IS THE MOST FREQUENT INSPECTION TYPE

#### SELECT inspection\_type, count(inspection\_id)

#### FROM inspection\_details

#### group by inspection\_type

#### 4)WHAT PROPORTION OF THE INSPECTIONS PASS?

#### Select results, count(inspection\_id)

#### FROM inspection\_details

#### group by results;