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='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

-- -----------------------------------------------------

-- Schema 4est

-- -----------------------------------------------------

DROP SCHEMA IF EXISTS `4est` ;

-- -----------------------------------------------------

-- Schema 4est

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `4est` DEFAULT CHARACTER SET utf8 ;

USE `4est` ;

-- -----------------------------------------------------

-- Table `4est`.`Location`

-- -----------------------------------------------------

DROP TABLE IF EXISTS `4est`.`Location` ;

CREATE TABLE IF NOT EXISTS `4est`.`Location` (

`Location\_Name` VARCHAR(60) NOT NULL,

`Geography` VARCHAR(45) NOT NULL,

`Vegitative\_Zone` VARCHAR(45) NOT NULL,

`Growing\_Zone` VARCHAR(10) NULL,

`Elevation` INT NULL,

`Location\_Notes` LONGTEXT NOT NULL,

PRIMARY KEY (`Location\_Name`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `4est`.`Moment`

-- -----------------------------------------------------

DROP TABLE IF EXISTS `4est`.`Moment` ;

CREATE TABLE IF NOT EXISTS `4est`.`Moment` (

`DTG` DATETIME NOT NULL,

`Season` VARCHAR(45) NOT NULL,

`Plant\_Growth\_Phase` VARCHAR(45) NOT NULL,

`Weather` VARCHAR(45) NOT NULL,

PRIMARY KEY (`DTG`),

UNIQUE INDEX `DTG\_UNIQUE` (`DTG` ASC) VISIBLE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `4est`.`Plant\_Species`

-- -----------------------------------------------------

DROP TABLE IF EXISTS `4est`.`Plant\_Species` ;

CREATE TABLE IF NOT EXISTS `4est`.`Plant\_Species` (

`Plant\_Latin\_Name` VARCHAR(100) NOT NULL,

`Plant\_Common\_Name` VARCHAR(50) NOT NULL,

`Toxic` TINYINT NOT NULL,

`Edible` TINYINT NOT NULL,

`Medicinal` TINYINT NOT NULL,

`Plant\_Description` LONGTEXT NOT NULL,

PRIMARY KEY (`Plant\_Latin\_Name`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `4est`.`Entry`

-- -----------------------------------------------------

DROP TABLE IF EXISTS `4est`.`Entry` ;

CREATE TABLE IF NOT EXISTS `4est`.`Entry` (

`Entry\_Number` INT NOT NULL AUTO\_INCREMENT,

`Moment\_DTG` DATETIME NOT NULL,

`Body\_Trunk\_Stem\_Description` LONGTEXT NULL,

`Branch\_Leaf\_Pattern\_Description` LONGTEXT NULL,

`Flower\_Fruit\_Description` LONGTEXT NULL,

`Notes` LONGTEXT NOT NULL,

`Location\_Location\_Name` VARCHAR(60) NOT NULL,

`Plant\_Species\_Plant\_Latin\_Name` VARCHAR(100) NOT NULL,

PRIMARY KEY (`Entry\_Number`, `Moment\_DTG`, `Location\_Location\_Name`, `Plant\_Species\_Plant\_Latin\_Name`),

INDEX `fk\_Entry\_Location1\_idx` (`Location\_Location\_Name` ASC) VISIBLE,

INDEX `fk\_Entry\_Moment1\_idx` (`Moment\_DTG` ASC) VISIBLE,

INDEX `fk\_Entry\_Plant\_Species1\_idx` (`Plant\_Species\_Plant\_Latin\_Name` ASC) VISIBLE,

CONSTRAINT `fk\_Entry\_Location1`

FOREIGN KEY (`Location\_Location\_Name`)

REFERENCES `4est`.`Location` (`Location\_Name`)

ON DELETE CASCADE

ON UPDATE CASCADE,

CONSTRAINT `fk\_Entry\_Moment1`

FOREIGN KEY (`Moment\_DTG`)

REFERENCES `4est`.`Moment` (`DTG`)

ON DELETE CASCADE

ON UPDATE CASCADE,

CONSTRAINT `fk\_Entry\_Plant\_Species1`

FOREIGN KEY (`Plant\_Species\_Plant\_Latin\_Name`)

REFERENCES `4est`.`Plant\_Species` (`Plant\_Latin\_Name`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `4est`.`timestamps`

-- -----------------------------------------------------

DROP TABLE IF EXISTS `4est`.`timestamps` ;

CREATE TABLE IF NOT EXISTS `4est`.`timestamps` (

`create\_time` TIMESTAMP NULL DEFAULT CURRENT\_TIMESTAMP,

`update\_time` TIMESTAMP NULL);

-- -----------------------------------------------------

-- Table `4est`.`Location\_has\_Plant\_Species`

-- -----------------------------------------------------

DROP TABLE IF EXISTS `4est`.`Location\_has\_Plant\_Species` ;

CREATE TABLE IF NOT EXISTS `4est`.`Location\_has\_Plant\_Species` (

`Location\_Location\_Name` VARCHAR(60) NOT NULL,

`Plant\_Species\_Plant\_Latin\_Name` VARCHAR(100) NOT NULL,

PRIMARY KEY (`Location\_Location\_Name`, `Plant\_Species\_Plant\_Latin\_Name`),

INDEX `fk\_Location\_has\_Plant\_Species\_Plant\_Species1\_idx` (`Plant\_Species\_Plant\_Latin\_Name` ASC) VISIBLE,

INDEX `fk\_Location\_has\_Plant\_Species\_Location1\_idx` (`Location\_Location\_Name` ASC) VISIBLE,

CONSTRAINT `fk\_Location\_has\_Plant\_Species\_Location1`

FOREIGN KEY (`Location\_Location\_Name`)

REFERENCES `4est`.`Location` (`Location\_Name`)

ON DELETE CASCADE

ON UPDATE CASCADE,

CONSTRAINT `fk\_Location\_has\_Plant\_Species\_Plant\_Species1`

FOREIGN KEY (`Plant\_Species\_Plant\_Latin\_Name`)

REFERENCES `4est`.`Plant\_Species` (`Plant\_Latin\_Name`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB;

SET SQL\_MODE=@OLD\_SQL\_MODE;

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

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