**CREATE DATABASE gestor\_ruta\_escolar;**

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

-- Table `acudiente`

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

CREATE TABLE IF NOT EXISTS `acudiente` (

`acu\_id\_acudiente` INT NOT NULL AUTO\_INCREMENT,

`acu\_numero\_identificacion` INT NOT NULL,

`acu\_nombre` VARCHAR(45) NOT NULL,

`acu\_primer\_apellido` VARCHAR(20) NOT NULL,

`acu\_segundo\_apellido` VARCHAR(20) NULL,

`acu\_fijo` VARCHAR(15) NULL,

`acu\_movil` VARCHAR(15) NOT NULL,

`acu\_mail` VARCHAR(20) NULL,

`acu\_direccion` VARCHAR(45) NULL,

PRIMARY KEY (`acu\_id\_acudiente`))

ENGINE = InnoDB;

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

-- Table `curso`

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

CREATE TABLE IF NOT EXISTS `curso` (

`cur\_id\_curso` INT NOT NULL AUTO\_INCREMENT,

`cur\_nombre\_curso` VARCHAR(45) NOT NULL,

PRIMARY KEY (`cur\_id\_curso`))

ENGINE = InnoDB;

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

-- Table `genero`

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

CREATE TABLE IF NOT EXISTS `genero` (

`gen\_id` INT NOT NULL AUTO\_INCREMENT,

`gen\_nombre\_genero` VARCHAR(15) NOT NULL,

PRIMARY KEY (`gen\_id`))

ENGINE = InnoDB;

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

-- Table `tipo\_documento`

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

CREATE TABLE IF NOT EXISTS `tipo\_documento` (

`tip\_id\_tipo\_documento` INT NOT NULL AUTO\_INCREMENT,

`tip\_nombre\_documento` VARCHAR(30) NOT NULL,

PRIMARY KEY (`tip\_id\_tipo\_documento`))

ENGINE = InnoDB;

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

-- Table `estudiante`

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

CREATE TABLE IF NOT EXISTS `estudiante` (

`est\_id\_estudiante` INT NOT NULL AUTO\_INCREMENT,

`est\_numero\_identificacion` VARCHAR(15) NOT NULL,

`est\_nombre` VARCHAR(45) NOT NULL,

`est\_primer\_apellido` VARCHAR(20) NOT NULL,

`est\_segundo\_apellido` VARCHAR(20) NULL,

`est\_direccion` VARCHAR(50) NOT NULL,

`est\_movil` VARCHAR(25) NULL,

`est\_mail` VARCHAR(45) NULL,

`curso\_fk\_estudiante` INT NOT NULL,

`genero\_fk\_estudiante` INT NOT NULL,

`tipo\_documento\_fk\_estudiante` INT NOT NULL,

PRIMARY KEY (`est\_id\_estudiante`),

CONSTRAINT `estudiante\_fk\_curso`

FOREIGN KEY (`curso\_fk\_estudiante`)

REFERENCES `curso` (`cur\_id\_curso`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `estudiante\_fk\_genero`

FOREIGN KEY (`genero\_fk\_estudiante`)

REFERENCES `genero` (`gen\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `estudiante\_fk\_tipo\_documento1`

FOREIGN KEY (`tipo\_documento\_fk\_estudiante`)

REFERENCES `tipo\_documento` (`tip\_id\_tipo\_documento`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `ruta`

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

CREATE TABLE IF NOT EXISTS `ruta` (

`ruta\_id\_ruta` INT NOT NULL AUTO\_INCREMENT,

`ruta\_cupo\_disponible` INT NULL,

`ruta\_cupo\_asignado` INT NOT NULL,

`ruta\_nombre\_zona` VARCHAR(45) NOT NULL,

PRIMARY KEY (`ruta\_id\_ruta`))

ENGINE = InnoDB;

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

-- Table `conductor`

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

CREATE TABLE IF NOT EXISTS `conductor` (

`con\_id` INT NOT NULL AUTO\_INCREMENT,

`con\_numero\_identificacion` VARCHAR(15) NOT NULL,

`con\_nombre` VARCHAR(32) NOT NULL,

`con\_primer\_apellido` VARCHAR(15) NOT NULL DEFAULT,

`con\_segundo\_apellido` VARCHAR(15) NULL,

`con\_movil` VARCHAR(25) NOT NULL,

`con\_mail` VARCHAR(30) NULL,

`con\_tipo\_documento` INT NOT NULL,

PRIMARY KEY (`con\_id`),

CONSTRAINT `conductores\_fk\_tipo\_documento1`

FOREIGN KEY (`con\_tipo\_documento`)

REFERENCES `tipo\_documento` (`tip\_id\_tipo\_documento`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

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

-- Table `marca`

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

CREATE TABLE IF NOT EXISTS `marca` (

`mar\_id` INT NOT NULL AUTO\_INCREMENT,

`mar\_nombre\_marca` VARCHAR(45) NOT NULL,

PRIMARY KEY (`mar\_id`))

ENGINE = InnoDB;

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

-- Table `vehiculo`

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

CREATE TABLE IF NOT EXISTS `vehiculo` (

`veh\_id\_vehiculo` INT NOT NULL AUTO\_INCREMENT,

`veh\_modelo` VARCHAR(4) NOT NULL,

`veh\_capacidad` INT NOT NULL,

`vah\_matricula\_placa` VARCHAR(8) NOT NULL,

`conductor\_fk\_vehiculo` INT NOT NULL,

`marca\_fk\_vehiculo` INT NOT NULL,

`veh\_id\_ruta` INT NOT NULL,

PRIMARY KEY (`veh\_id\_vehiculo`),

CONSTRAINT `vehiculo\_fk\_conductor`

FOREIGN KEY (`conductor\_fk\_vehiculo`)

REFERENCES `conductor` (`con\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `vehiculo\_fk\_marca`

FOREIGN KEY (`marca\_fk\_vehiculo`)

REFERENCES `marca` (`mar\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `vehiculo\_fk\_ruta`

FOREIGN KEY (`veh\_id\_ruta`)

REFERENCES `ruta` (`ruta\_id\_ruta`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `parentesco`

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

CREATE TABLE IF NOT EXISTS `parentesco` (

`par\_id\_parentesco` INT NOT NULL AUTO\_INCREMENT,

`par\_nombre\_parentesco` VARCHAR(45) NOT NULL,

PRIMARY KEY (`par\_id\_parentesco`))

ENGINE = InnoDB;

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

-- Table `acudiente\_estudiante`

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

CREATE TABLE IF NOT EXISTS `acudiente\_estudiante` (

`acuest\_id\_acudiente\_estudiante` INT NOT NULL AUTO\_INCREMENT,

`fk\_id\_estudiante` INT NOT NULL,

`acuest\_id\_parentesco` INT NOT NULL,

`fk\_id\_acudiente` INT NOT NULL,

PRIMARY KEY (`acuest\_id\_acudiente\_estudiante`),

CONSTRAINT `estudiante\_fk\_acudiente\_estudiante`

FOREIGN KEY (`fk\_id\_estudiante`)

REFERENCES `estudiante` (`est\_id\_estudiante`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `parentesco\_fk\_acudiente\_estudiante`

FOREIGN KEY (`acuest\_id\_parentesco`)

REFERENCES `parentesco` (`par\_id\_parentesco`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `acudiente\_fk\_acudiente\_estudiante`

FOREIGN KEY (`fk\_id\_acudiente`)

REFERENCES `acudiente` (`acu\_id\_acudiente`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `estudiante\_ruta`

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

CREATE TABLE IF NOT EXISTS `estudiante\_ruta` (

`estrut\_id\_estudiante\_ruta` INT NOT NULL AUTO\_INCREMENT,

`fk\_id\_estudiante` INT NOT NULL,

`fk\_id\_ruta` INT NOT NULL,

`estrut\_fecha\_ingreso` VARCHAR(45) NOT NULL,

PRIMARY KEY (`estrut\_id\_estudiante\_ruta`),

CONSTRAINT `estudiante\_fk\_estudiante\_ruta`

FOREIGN KEY (`fk\_id\_estudiante`)

REFERENCES `estudiante` (`est\_id\_estudiante`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `ruta\_fk\_estudiante\_ruta`

FOREIGN KEY (`fk\_id\_ruta`)

REFERENCES `ruta` (`ruta\_id\_ruta`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;