you are a senior data engineer with very high proficiency in mysql.

Also, get this database and never forget it.

-- MySQL Workbench Forward Engineering

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 grad\_db

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

DROP SCHEMA IF EXISTS `grad\_db` ;

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

-- Schema grad\_db

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

CREATE SCHEMA IF NOT EXISTS `grad\_db` DEFAULT CHARACTER SET utf8 ;

USE `grad\_db` ;

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

-- Table `grad\_db`.`Graduate`

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

DROP TABLE IF EXISTS `grad\_db`.`Graduate` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`Graduate` (

`idGraduate` INT NOT NULL,

`docTipe` ENUM('CC', 'Passport', 'CE', 'Other') NOT NULL,

`name` VARCHAR(45) NOT NULL,

`lastname` VARCHAR(45) NOT NULL,

`gender` ENUM('M', 'F', 'Other') NOT NULL,

`ethnics` VARCHAR(45) NULL,

`pbm` INT NULL,

`stratum` VARCHAR(45) NULL,

`birthday` DATE NULL,

PRIMARY KEY (`idGraduate`),

UNIQUE INDEX `id\_UNIQUE` (`idGraduate` ASC) VISIBLE)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`ContactInfo`

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

DROP TABLE IF EXISTS `grad\_db`.`ContactInfo` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`ContactInfo` (

`idContactInfo` INT NOT NULL AUTO\_INCREMENT,

`address` VARCHAR(45) NULL,

`personal\_EmailAddress` VARCHAR(45) NULL,

`edu\_EmailAddress` VARCHAR(45) NULL,

`first\_Phone` INT NULL,

`second\_Phone` INT NULL,

`idGraduate` INT NOT NULL,

PRIMARY KEY (`idContactInfo`),

UNIQUE INDEX `personal\_EmailAddress\_UNIQUE` (`personal\_EmailAddress` ASC) VISIBLE,

UNIQUE INDEX `edu\_EmailAddress\_UNIQUE` (`edu\_EmailAddress` ASC) VISIBLE,

INDEX `fk\_ContactInfo\_Graduate1\_idx` (`idGraduate` ASC) VISIBLE,

CONSTRAINT `fk\_ContactInfo\_Graduate1`

FOREIGN KEY (`idGraduate`)

REFERENCES `grad\_db`.`Graduate` (`idGraduate`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`University`

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

DROP TABLE IF EXISTS `grad\_db`.`University` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`University` (

`idUniversity` INT NOT NULL,

`university\_name` VARCHAR(150) NULL,

`campus\_name` VARCHAR(45) NULL,

`country` VARCHAR(45) NULL,

PRIMARY KEY (`idUniversity`))

ENGINE = InnoDB;

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

-- Table `grad\_db`.`Faculty`

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

DROP TABLE IF EXISTS `grad\_db`.`Faculty` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`Faculty` (

`idFaculty` INT NOT NULL,

`faculty\_name` VARCHAR(150) NULL,

`idUniversity` INT NOT NULL,

PRIMARY KEY (`idFaculty`),

INDEX `fk\_Faculty\_University1\_idx` (`idUniversity` ASC) VISIBLE,

CONSTRAINT `fk\_Faculty\_University1`

FOREIGN KEY (`idUniversity`)

REFERENCES `grad\_db`.`University` (`idUniversity`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`Department`

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

DROP TABLE IF EXISTS `grad\_db`.`Department` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`Department` (

`idDepartment` INT NOT NULL,

`department\_name` VARCHAR(150) NULL,

`idFaculty` INT NOT NULL,

PRIMARY KEY (`idDepartment`),

INDEX `fk\_Department\_Faculty1\_idx` (`idFaculty` ASC) VISIBLE,

CONSTRAINT `fk\_Department\_Faculty1`

FOREIGN KEY (`idFaculty`)

REFERENCES `grad\_db`.`Faculty` (`idFaculty`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`Program`

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

DROP TABLE IF EXISTS `grad\_db`.`Program` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`Program` (

`idProgram` INT NOT NULL,

`academic\_lvl` ENUM('Undergraduate', 'Graduate', 'Doctorate') NOT NULL,

`program\_name` VARCHAR(45) NOT NULL,

`duration` VARCHAR(45) NULL,

`academic\_avg` VARCHAR(45) NULL,

`idDepartment` INT NOT NULL,

PRIMARY KEY (`idProgram`),

INDEX `fk\_Program\_Department1\_idx` (`idDepartment` ASC) VISIBLE,

CONSTRAINT `fk\_Program\_Department1`

FOREIGN KEY (`idDepartment`)

REFERENCES `grad\_db`.`Department` (`idDepartment`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`Graduate\_has\_Program`

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

DROP TABLE IF EXISTS `grad\_db`.`Graduate\_has\_Program` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`Graduate\_has\_Program` (

`idGraduate` INT NOT NULL,

`idProgram` INT NOT NULL,

`start\_date` DATE NOT NULL,

`end\_date` DATE NOT NULL,

PRIMARY KEY (`idGraduate`, `idProgram`),

INDEX `fk\_Graduate\_has\_Program\_Program1\_idx` (`idProgram` ASC) VISIBLE,

INDEX `fk\_Graduate\_has\_Program\_Graduate1\_idx` (`idGraduate` ASC) VISIBLE,

CONSTRAINT `fk\_Graduate\_has\_Program\_Graduate1`

FOREIGN KEY (`idGraduate`)

REFERENCES `grad\_db`.`Graduate` (`idGraduate`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Graduate\_has\_Program\_Program1`

FOREIGN KEY (`idProgram`)

REFERENCES `grad\_db`.`Program` (`idProgram`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`DegreeWork`

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

DROP TABLE IF EXISTS `grad\_db`.`DegreeWork` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`DegreeWork` (

`idDegreeWork` INT NOT NULL,

`type` ENUM('BAPI', 'Thesis', 'Degree Work', 'Other') NOT NULL,

`title` VARCHAR(200) NOT NULL,

`knwolegde\_area` VARCHAR(45) NOT NULL,

`description` VARCHAR(1000) NULL,

`idGraduate` INT NOT NULL,

`idProgram` INT NOT NULL,

`defense\_date` DATE NOT NULL,

PRIMARY KEY (`idDegreeWork`),

INDEX `fk\_DegreeWork\_Graduate1\_idx` (`idGraduate` ASC) VISIBLE,

INDEX `fk\_DegreeWork\_Program1\_idx` (`idProgram` ASC) VISIBLE,

CONSTRAINT `fk\_DegreeWork\_Graduate1`

FOREIGN KEY (`idGraduate`)

REFERENCES `grad\_db`.`Graduate` (`idGraduate`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_DegreeWork\_Program1`

FOREIGN KEY (`idProgram`)

REFERENCES `grad\_db`.`Program` (`idProgram`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`GroupAssociation`

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

DROP TABLE IF EXISTS `grad\_db`.`GroupAssociation` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`GroupAssociation` (

`idGroupAssociation` INT NOT NULL,

`type` ENUM('Seminary', 'Student Group', 'Research Group', 'Other') NOT NULL,

`name` VARCHAR(45) NOT NULL,

`knowledge\_area` VARCHAR(45) NOT NULL,

PRIMARY KEY (`idGroupAssociation`))

ENGINE = InnoDB;

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

-- Table `grad\_db`.`ResearchWork`

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

DROP TABLE IF EXISTS `grad\_db`.`ResearchWork` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`ResearchWork` (

`idResearchWork` INT NOT NULL,

`type` ENUM('Article', 'Presentation', 'Other') NOT NULL,

`professor` VARCHAR(45) NULL,

`title` VARCHAR(45) NOT NULL,

`idGroupAssociation` INT NULL,

`idGraduate` INT NULL,

`idDegreeWork` INT NULL,

`defense\_date` DATE NULL,

PRIMARY KEY (`idResearchWork`),

INDEX `fk\_ResearchWork\_GroupAssociation1\_idx` (`idGroupAssociation` ASC) VISIBLE,

INDEX `fk\_ResearchWork\_Graduate1\_idx` (`idGraduate` ASC) VISIBLE,

INDEX `fk\_ResearchWork\_DegreeWork1\_idx` (`idDegreeWork` ASC) VISIBLE,

CONSTRAINT `fk\_ResearchWork\_GroupAssociation1`

FOREIGN KEY (`idGroupAssociation`)

REFERENCES `grad\_db`.`GroupAssociation` (`idGroupAssociation`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_ResearchWork\_Graduate1`

FOREIGN KEY (`idGraduate`)

REFERENCES `grad\_db`.`Graduate` (`idGraduate`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_ResearchWork\_DegreeWork1`

FOREIGN KEY (`idDegreeWork`)

REFERENCES `grad\_db`.`DegreeWork` (`idDegreeWork`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`Publication`

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

DROP TABLE IF EXISTS `grad\_db`.`Publication` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`Publication` (

`idPublication` INT NOT NULL,

`journal` VARCHAR(45) NULL,

`dateOfPublication` DATE NULL,

`Knowledge\_area` VARCHAR(45) NULL,

`idResearchWork` INT NULL,

PRIMARY KEY (`idPublication`),

INDEX `fk\_Publication\_ResearchWork1\_idx` (`idResearchWork` ASC) VISIBLE,

CONSTRAINT `fk\_Publication\_ResearchWork1`

FOREIGN KEY (`idResearchWork`)

REFERENCES `grad\_db`.`ResearchWork` (`idResearchWork`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`Company`

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

DROP TABLE IF EXISTS `grad\_db`.`Company` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`Company` (

`idCompany` INT NOT NULL,

`name` VARCHAR(100) NULL,

`area` VARCHAR(45) NULL,

PRIMARY KEY (`idCompany`))

ENGINE = InnoDB;

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

-- Table `grad\_db`.`AdministrativeDependency`

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

DROP TABLE IF EXISTS `grad\_db`.`AdministrativeDependency` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`AdministrativeDependency` (

`idAdministrativeDependency` INT NOT NULL,

`AdministrativeDependency\_name` VARCHAR(150) NULL,

`idUniversity` INT NOT NULL,

`idFaculty` INT NULL,

PRIMARY KEY (`idAdministrativeDependency`),

INDEX `fk\_AdministrativeDependencie\_University1\_idx` (`idUniversity` ASC) VISIBLE,

INDEX `fk\_AdministrativeDependencie\_Faculty1\_idx` (`idFaculty` ASC) VISIBLE,

CONSTRAINT `fk\_AdministrativeDependencie\_University1`

FOREIGN KEY (`idUniversity`)

REFERENCES `grad\_db`.`University` (`idUniversity`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_AdministrativeDependencie\_Faculty1`

FOREIGN KEY (`idFaculty`)

REFERENCES `grad\_db`.`Faculty` (`idFaculty`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`ServicesToGraduates`

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

DROP TABLE IF EXISTS `grad\_db`.`ServicesToGraduates` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`ServicesToGraduates` (

`idServicesToGraduates` INT NOT NULL,

`type` ENUM('Curso', 'Charla', 'Préstamo de material bibliográfico', 'Bases de datos', 'Oferta de empleo') NOT NULL,

`description` VARCHAR(500) NOT NULL,

`knowledge\_area` VARCHAR(45) NULL,

`location` VARCHAR(45) NULL,

`value` INT NULL,

`start\_date` DATE NULL,

`final\_date` DATE NULL,

`ServicesToGraduatescol` VARCHAR(45) NULL,

`idAdministrativeDependency` INT NULL,

`idDepartment` INT NULL,

`idGroupAssociation` INT NULL,

PRIMARY KEY (`idServicesToGraduates`),

INDEX `fk\_ServicesToGraduates\_AdministrativeDependency1\_idx` (`idAdministrativeDependency` ASC) VISIBLE,

INDEX `fk\_ServicesToGraduates\_Department1\_idx` (`idDepartment` ASC) VISIBLE,

INDEX `fk\_ServicesToGraduates\_GroupAssociation1\_idx` (`idGroupAssociation` ASC) VISIBLE,

CONSTRAINT `fk\_ServicesToGraduates\_AdministrativeDependency1`

FOREIGN KEY (`idAdministrativeDependency`)

REFERENCES `grad\_db`.`AdministrativeDependency` (`idAdministrativeDependency`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_ServicesToGraduates\_Department1`

FOREIGN KEY (`idDepartment`)

REFERENCES `grad\_db`.`Department` (`idDepartment`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_ServicesToGraduates\_GroupAssociation1`

FOREIGN KEY (`idGroupAssociation`)

REFERENCES `grad\_db`.`GroupAssociation` (`idGroupAssociation`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`EmploymentOffer`

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

DROP TABLE IF EXISTS `grad\_db`.`EmploymentOffer` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`EmploymentOffer` (

`idEmploymentOffer` INT NOT NULL,

`idServicesToGraduates` INT NULL,

`company\_name` VARCHAR(45) NOT NULL,

`available\_until\_date` DATE NOT NULL,

`contact\_email` VARCHAR(150) NOT NULL,

`seeking\_knowledge\_area` VARCHAR(45) NULL,

`seeking\_academic\_lvl` ENUM('Undergraduate', 'Graduate', 'Doctorate') NULL,

PRIMARY KEY (`idEmploymentOffer`),

INDEX `fk\_EmploymentOffer\_GraduateSupport1\_idx` (`idServicesToGraduates` ASC) VISIBLE,

CONSTRAINT `fk\_EmploymentOffer\_GraduateSupport1`

FOREIGN KEY (`idServicesToGraduates`)

REFERENCES `grad\_db`.`ServicesToGraduates` (`idServicesToGraduates`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`Job`

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

DROP TABLE IF EXISTS `grad\_db`.`Job` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`Job` (

`idJob` INT NOT NULL,

`type` ENUM('Entrepeneur', 'Contractort', 'Employeed', 'Unemployeed') NULL,

`salary` INT NULL,

`start\_date` DATE NOT NULL,

`final\_date` DATE NULL,

`work\_area` VARCHAR(45) NULL,

`position` VARCHAR(100) NULL,

`location` VARCHAR(45) NULL,

`idCompany` INT NOT NULL,

`idGraduate` INT NOT NULL,

`idEmploymentOffer` INT NOT NULL,

PRIMARY KEY (`idJob`, `idGraduate`),

INDEX `fk\_Job\_Company1\_idx` (`idCompany` ASC) VISIBLE,

INDEX `fk\_Job\_Graduate1\_idx` (`idGraduate` ASC) VISIBLE,

INDEX `fk\_Job\_EmploymentOffer1\_idx` (`idEmploymentOffer` ASC) VISIBLE,

CONSTRAINT `fk\_Job\_Company1`

FOREIGN KEY (`idCompany`)

REFERENCES `grad\_db`.`Company` (`idCompany`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Job\_Graduate1`

FOREIGN KEY (`idGraduate`)

REFERENCES `grad\_db`.`Graduate` (`idGraduate`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Job\_EmploymentOffer1`

FOREIGN KEY (`idEmploymentOffer`)

REFERENCES `grad\_db`.`EmploymentOffer` (`idEmploymentOffer`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`StudentSupport`

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

DROP TABLE IF EXISTS `grad\_db`.`StudentSupport` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`StudentSupport` (

`idStudentSupport` INT NOT NULL,

`isExternal` TINYINT NULL,

`isMonetaryRetributed` TINYINT NULL,

`type` ENUM('SocioEconómico vivienda', 'SocioEconómico transporte', 'SocioEconómico alimentación', 'Beca promedio', 'Auxiliar docente', 'Movilidad saliente internacional', 'Publicación de artículos académicos', 'Estudiante auxiliar', 'Monitor') NULL,

`Graduate\_idGraduate` INT NULL,

`idAdministrativeDependency` INT NOT NULL,

`idDepartment` INT NULL,

PRIMARY KEY (`idStudentSupport`),

INDEX `fk\_StudentSupport\_Graduate1\_idx` (`Graduate\_idGraduate` ASC) VISIBLE,

INDEX `fk\_StudentSupport\_AdministrativeDependency1\_idx` (`idAdministrativeDependency` ASC) VISIBLE,

INDEX `fk\_StudentSupport\_Department1\_idx` (`idDepartment` ASC) VISIBLE,

CONSTRAINT `fk\_StudentSupport\_Graduate1`

FOREIGN KEY (`Graduate\_idGraduate`)

REFERENCES `grad\_db`.`Graduate` (`idGraduate`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_StudentSupport\_AdministrativeDependency1`

FOREIGN KEY (`idAdministrativeDependency`)

REFERENCES `grad\_db`.`AdministrativeDependency` (`idAdministrativeDependency`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_StudentSupport\_Department1`

FOREIGN KEY (`idDepartment`)

REFERENCES `grad\_db`.`Department` (`idDepartment`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `grad\_db`.`Graduate\_takes\_ServicesToGraduates`

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

DROP TABLE IF EXISTS `grad\_db`.`Graduate\_takes\_ServicesToGraduates` ;

CREATE TABLE IF NOT EXISTS `grad\_db`.`Graduate\_takes\_ServicesToGraduates` (

`idGraduate` INT NOT NULL,

`idServicesToGraduates` INT NOT NULL,

`taken\_service\_date` DATE NOT NULL,

PRIMARY KEY (`idGraduate`, `idServicesToGraduates`),

INDEX `fk\_Graduate\_has\_ServicesToGraduates\_ServicesToGraduates1\_idx` (`idServicesToGraduates` ASC) VISIBLE,

INDEX `fk\_Graduate\_has\_ServicesToGraduates\_Graduate1\_idx` (`idGraduate` ASC) VISIBLE,

CONSTRAINT `fk\_Graduate\_has\_ServicesToGraduates\_Graduate1`

FOREIGN KEY (`idGraduate`)

REFERENCES `grad\_db`.`Graduate` (`idGraduate`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Graduate\_has\_ServicesToGraduates\_ServicesToGraduates1`

FOREIGN KEY (`idServicesToGraduates`)

REFERENCES `grad\_db`.`ServicesToGraduates` (`idServicesToGraduates`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

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

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