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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 mydb

-- Table 'Aluno'
DROP TABLE IF EXISTS `Aluno` ;

CREATE TABLE IF NOT EXISTS `Aluno` (
  `CPF` CHAR(11) NOT NULL,
  `Nome` VARCHAR(45) NOT NULL,
  `Sobrenome` VARCHAR(45) NOT NULL,
  `Sexo` CHAR(1) NOT NULL,
  `Alunocol` VARCHAR(45) NOT NULL,
  `DataNascimento` DATE NULL,
  PRIMARY KEY (`CPF`))
ENGINE = InnoDB;

-- Table 'Area'
DROP TABLE IF EXISTS `Area` ;

CREATE TABLE IF NOT EXISTS `Area` (
  `Sigla` CHAR(8) NOT NULL,
  `Nome` VARCHAR(120) NULL,
  `SuperArea` CHAR(8) NULL,
  PRIMARY KEY (`Sigla`),
  CONSTRAINT `fk_Area_Areal`
    FOREIGN KEY (`SuperArea`)
      REFERENCES `Area` (`Sigla`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Area_Areal_idx` ON `Area` (`SuperArea` ASC) VISIBLE;

-- Table 'Curso'
DROP TABLE IF EXISTS `Curso` ;

CREATE TABLE IF NOT EXISTS `Curso` (
  `Sigla` CHAR(8) NOT NULL,
  `Nome` VARCHAR(45) NOT NULL,
  `Horas` INT NULL,
  `Custo` DECIMAL(12) NOT NULL,
  `Area` CHAR(8) NOT NULL,
  PRIMARY KEY (`Sigla`),
  CONSTRAINT `fk_Curso_Areal`
    FOREIGN KEY (`Area`)
      REFERENCES `Area` (`Sigla`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Curso_Areal_idx` ON `Curso` (`Area` ASC) VISIBLE;

CREATE UNIQUE INDEX `Area_UNIQUE` ON `Curso` (`Area` ASC) VISIBLE;

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-- Table `Matrícula`
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DROP TABLE IF EXISTS `Matrícula` ;

CREATE TABLE IF NOT EXISTS `Matrícula` (
  `Curso` CHAR(8) NOT NULL,
  `Aluno` CHAR(11) NOT NULL,
  `Data` DATE NULL,
  `Pago` TINYINT NULL,
  PRIMARY KEY (`Aluno`),
  CONSTRAINT `fk_Matrícula_Aluno`
    FOREIGN KEY (`Aluno`)
      REFERENCES `Aluno` (`CPF`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_Matrícula_Curso1`
    FOREIGN KEY (`Curso`)
      REFERENCES `Curso` (`Sigla`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Matrícula_Aluno_idx` ON `Matrícula` (`Aluno` ASC) VISIBLE;

CREATE INDEX `fk_Matrícula_Curso1_idx` ON `Matrícula` (`Curso` ASC) VISIBLE;

-----
-- Table `Modulo`
-----
DROP TABLE IF EXISTS `Modulo` ;

CREATE TABLE IF NOT EXISTS `Modulo` (
  `Sigla` CHAR(8) NOT NULL,
  `Nome` VARCHAR(45) NOT NULL,
  `Curso_Sigla` CHAR(8) NOT NULL,
  PRIMARY KEY (`Sigla`),
  CONSTRAINT `fk_Modulo_Curso1`
    FOREIGN KEY (`Curso_Sigla`)
      REFERENCES `Curso` (`Sigla`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Modulo_Curso1_idx` ON `Modulo` (`Curso_Sigla` ASC) VISIBLE;

-----
-- Table `Professor`
-----
DROP TABLE IF EXISTS `Professor` ;

CREATE TABLE IF NOT EXISTS `Professor` (
  `Curso_Sigla` CHAR(8) NOT NULL,
  `CPF` CHAR(11) NOT NULL,
  `Nome` VARCHAR(45) NULL,
  PRIMARY KEY (`CPF`),
  CONSTRAINT `fk_Professor_Curso1`
    FOREIGN KEY (`Curso_Sigla`)
      REFERENCES `Curso` (`Sigla`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Professor_Curso1_idx` ON `Professor` (`Curso_Sigla` ASC) VISIBLE;

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-- Table `Topico`
-----
DROP TABLE IF EXISTS `Topico` ;

CREATE TABLE IF NOT EXISTS `Topico` (
  `Modulo` CHAR(8) NOT NULL,
  `Sigla` CHAR(3) NOT NULL,
  `Nome` VARCHAR(250) NOT NULL,
  `Horas` INT NULL,
  `` VARCHAR(45) NULL,
  PRIMARY KEY (`Sigla`),
  CONSTRAINT `fk_Topico_Modulo1`
    FOREIGN KEY (`Modulo`)
      REFERENCES `Modulo` (`Sigla`)
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Topico_Modulo1_idx` ON `Topico` (`Modulo` ASC) VISIBLE;

SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;

```