DROP TABLE IF EXISTS `Aluno` ;

CREATE TABLE IF NOT EXISTS `Aluno` (

 `CPF` VARCHAR(15) NOT NULL,

 `Nome` VARCHAR(45) NOT NULL,

 `Sobrenome` VARCHAR(45) NOT NULL,

 `Sexo` VARCHAR(15) NOT NULL,

 `DataNascimento` DATE NOT NULL,

 PRIMARY KEY (`CPF`))

DROP TABLE IF EXISTS `Area` ;

CREATE TABLE IF NOT EXISTS `Area` (

 `Sigla` VARCHAR(10) NOT NULL,

```sql
  `Nome` VARCHAR(45) NOT NULL,

  `SuperArea` VARCHAR(10) NULL,

  PRIMARY KEY (`Sigla`),

  CONSTRAINT `fk_Area_Area1`

    FOREIGN KEY (`SuperArea`) REFERENCES `Area` (`Sigla`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)
CREATE INDEX `fk_Area_Area1_idx` ON `Area` (`SuperArea` ASC) VISIBLE;




DROP TABLE IF EXISTS `Curso` ;


CREATE TABLE IF NOT EXISTS `Curso` (

  `Sigla` VARCHAR(10) NOT NULL,

  `Nome` VARCHAR(45) NOT NULL,

  `Custo` FLOAT NOT NULL,

  `Horas` INT NOT NULL,

  `Area` VARCHAR(15) NOT NULL,

  PRIMARY KEY (`Sigla`, `Area`),

  CONSTRAINT `fk_Curso_Area`

    FOREIGN KEY (`Area`) REFERENCES `Area` (`Nome`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)
CREATE INDEX `fk_Curso_Area_idx` ON `Curso` (`Area` ASC) VISIBLE;




DROP TABLE IF EXISTS `Matricula` ;


CREATE TABLE IF NOT EXISTS `Matricula` (

  `Aluno` VARCHAR(45) NOT NULL,
```

```sql
  `Curso` VARCHAR(45) NOT NULL,
  `Pago` TINYINT NULL,
  `Data` DATE NULL,
  PRIMARY KEY (`Aluno`, `Curso`),
  CONSTRAINT `fk_Matricula_Aluno1`
    FOREIGN KEY (`Aluno`) REFERENCES `Aluno` (`CPF`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_Matricula_Curso1`
    FOREIGN KEY (`Curso`) REFERENCES `Curso` (`Sigla`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
CREATE INDEX `fk_Matricula_Curso1_idx` ON `Matricula` (`Curso` ASC) VISIBLE;


DROP TABLE IF EXISTS `Modulo` ;

CREATE TABLE IF NOT EXISTS `Modulo` (
  `Sigla` VARCHAR(10) NOT NULL,
  `Nome` VARCHAR(45) NOT NULL,
  `Curso` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`Sigla`),
  CONSTRAINT `fk_Modulo_Curso1`
    FOREIGN KEY (`Curso`) REFERENCES `Curso` (`Area`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
CREATE INDEX `fk_Modulo_Curso1_idx` ON `Modulo` (`Curso` ASC) VISIBLE;
```

```sql
DROP TABLE IF EXISTS `Professor` ;


CREATE TABLE IF NOT EXISTS `Professor` (
  `Curso` VARCHAR(45) NOT NULL,
  `CPF` VARCHAR(15) NOT NULL,
  `Nome` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`Curso`, `CPF`),
  CONSTRAINT `fk_Professor_Curso1`
    FOREIGN KEY (`Curso`) REFERENCES `Curso` (`Area`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
CREATE INDEX `fk_Professor_Curso1_idx` ON `Professor` (`Curso` ASC) VISIBLE;




DROP TABLE IF EXISTS `Topico` ;


CREATE TABLE IF NOT EXISTS `Topico` (
  `Modulo` VARCHAR(45) NOT NULL,
  `Sigla` VARCHAR(10) NOT NULL,
  `Nome` VARCHAR(45) NOT NULL,
  `Horas` INT NOT NULL,
  PRIMARY KEY (`Modulo`, `Sigla`),
  CONSTRAINT `fk_Topico_Modulo1`
    FOREIGN KEY (`Modulo`) REFERENCES `Modulo` (`Sigla`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
CREATE INDEX `fk_Topico_Modulo1_idx` ON `Topico` (`Modulo` ASC) VISIBLE;
```