

-- MySQL Script generated by MySQL Workbench

-- Mon Mar 18 23:42:06 2024

-- Model: New Model Version: 1.0

-- 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 mydb

-- Table `Aluno`

DROP TABLE IF EXISTS `Aluno` ;

CREATE TABLE IF NOT EXISTS `Aluno` (

`CPF` CHAR(11) NOT NULL,

`Nome` VARCHAR(45) NULL,

`Sobrenome` VARCHAR(45) NULL,

`Sexo` TINYINT NULL,

`DataNasc` DATE NULL,

PRIMARY KEY (`CPF`))

ENGINE = InnoDB;

-- Table `Area`

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

```
CREATE TABLE IF NOT EXISTS `Area` (  
  `Sigla` VARCHAR(2) NOT NULL,  
  `Nome` VARCHAR(45) NULL,  
  `SuperArea` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`Sigla`),  
  CONSTRAINT `fk_Area_Area1`  
    FOREIGN KEY (`SuperArea`)  
    REFERENCES `Area` (`Sigla`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_Area_Area1_idx` ON `Area` (`SuperArea` ASC) VISIBLE;
```

```
-----  
-- Table `Curso`  
-----
```

```
DROP TABLE IF EXISTS `Curso` ;
```

```
CREATE TABLE IF NOT EXISTS `Curso` (  
  `Sigla` VARCHAR(2) NOT NULL,  
  `Nome` VARCHAR(45) NULL,  
  `Horas` INT NULL,  
  `Custo` DECIMAL(7,2) NULL,  
  `Area` VARCHAR(45) NOT NULL,  
  PRIMARY KEY (`Sigla`),  
  CONSTRAINT `fk_Curso_Area1`
```

```
FOREIGN KEY (`Area`)
REFERENCES `Area` (`Sigla`)
ON DELETE NO ACTION
ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Curso_Area1_idx` ON `Curso` (`Area` ASC) VISIBLE;
```

```
-----
-- Table `Matricula`
-----
```

```
DROP TABLE IF EXISTS `Matricula` ;
```

```
CREATE TABLE IF NOT EXISTS `Matricula` (
  `Curso` VARCHAR(2) NOT NULL,
  `Aluno` CHAR(11) NOT NULL,
  `Data` DATETIME NULL,
  `Matricula` VARCHAR(45) NULL,
  `Pago` TINYINT NULL,
  PRIMARY KEY (`Curso`, `Aluno`),
  CONSTRAINT `fk_Matricula_Curso1`
    FOREIGN KEY (`Curso`)
    REFERENCES `Curso` (`Sigla`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_Matricula_Aluno1`
    FOREIGN KEY (`Aluno`)
    REFERENCES `Aluno` (`CPF`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
```

```
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_Matricula_Curso1_idx` ON `Matricula` (`Curso` ASC) VISIBLE;
```

```
CREATE INDEX `fk_Matricula_Aluno1_idx` ON `Matricula` (`Aluno` ASC) VISIBLE;
```

```
-----  
-- Table `Modulo`  
-----
```

```
DROP TABLE IF EXISTS `Modulo` ;
```

```
CREATE TABLE IF NOT EXISTS `Modulo` (
```

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

```
  `Curso` VARCHAR(2) NOT NULL,
```

```
  `Nome` VARCHAR(45) NULL,
```

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

```
  CONSTRAINT `fk_Modulo_Curso2`
```

```
    FOREIGN KEY (`Curso`)
```

```
    REFERENCES `Curso` (`Sigla`)
```

```
    ON DELETE NO ACTION
```

```
    ON UPDATE NO ACTION)
```

```
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_Modulo_Curso2_idx` ON `Modulo` (`Curso` ASC) VISIBLE;
```

```
-----  
-- Table `Professor`  
-----
```

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

```
CREATE TABLE IF NOT EXISTS `Professor` (  
  `Cpf` CHAR(11) NOT NULL,  
  `Curso` VARCHAR(2) NOT NULL,  
  `Nome` VARCHAR(45) NULL,  
  PRIMARY KEY (`Cpf`),  
  CONSTRAINT `fk_Professor_Curso1`  
    FOREIGN KEY (`Curso`)  
    REFERENCES `Curso` (`Sigla`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

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

```
--  
-----  
-- Table `Topico`  
-----
```

```
DROP TABLE IF EXISTS `Topico` ;
```

```
CREATE TABLE IF NOT EXISTS `Topico` (  
  `Sigla` VARCHAR(2) NOT NULL,  
  `Modulo` VARCHAR(45) NOT NULL,  
  `Nome` VARCHAR(45) NULL,  
  `Horas` TIME 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;