

Codigos SQL:

-- MySQL Script generated by MySQL Workbench

-- Thu Sep 8 13:26:57 2022

-- 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_I
N_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_S
UBSTITUTION';

-- Schema mydb

DROP SCHEMA IF EXISTS `mydb` ;

-- Schema mydb

CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;
USE `mydb` ;

-- Table `mydb`.`Aluno`

DROP TABLE IF EXISTS `mydb`.`Aluno` ;

CREATE TABLE IF NOT EXISTS `mydb`.`Aluno` (
`CPF` CHAR(11) NOT NULL,

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`Nome` VARCHAR(150) NOT NULL,  
`Sobrenome` VARCHAR(80) NOT NULL,  
`Sexo` CHAR(1) NOT NULL,  
`DataNascimento` DATE NULL,  
PRIMARY KEY (`CPF`))  
ENGINE = InnoDB;
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-- Table `mydb`.`Area`  
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DROP TABLE IF EXISTS `mydb`.`Area` ;
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CREATE TABLE IF NOT EXISTS `mydb`.`Area` (  
  `Sigla` CHAR(8) NOT NULL,  
  `Nome` VARCHAR(250) NOT NULL,  
  `SuperArea` CHAR(8) NULL,  
  PRIMARY KEY (`Sigla`),  
  UNIQUE INDEX `Sigla_UNIQUE` (`Sigla` ASC) VISIBLE,  
  INDEX `fk_Area_Area1_idx` (`SuperArea` ASC) VISIBLE,  
  CONSTRAINT `fk_Area_Area1`  
    FOREIGN KEY (`SuperArea`)  
    REFERENCES `mydb`.`Area` (`Sigla`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
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-- Table `mydb`.`Curso`
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DROP TABLE IF EXISTS `mydb`.`Curso` ;

CREATE TABLE IF NOT EXISTS `mydb`.`Curso` (
 `Sigla` CHAR(8) NOT NULL,
 `Nome` VARCHAR(250) NOT NULL,
 `Horas` INT NULL,
 `Custo` DECIMAL(12,2) NOT NULL,
 `Area` CHAR(8) NOT NULL,
 PRIMARY KEY (`Sigla`),
 UNIQUE INDEX `Sigla_UNIQUE` (`Sigla` ASC) VISIBLE,
 INDEX `fk_CURSO_Area_idx` (`Area` ASC) VISIBLE,
 CONSTRAINT `fk_CURSO_Area`
 FOREIGN KEY (`Area`)
 REFERENCES `mydb`.`Area` (`Sigla`)
 ON DELETE NO ACTION
 ON UPDATE NO ACTION)
ENGINE = InnoDB;

-- Table `mydb`.`Matricula`

DROP TABLE IF EXISTS `mydb`.`Matricula` ;

CREATE TABLE IF NOT EXISTS `mydb`.`Matricula` (
 `Curso` CHAR(8) NOT NULL,
 `Aluno` CHAR(11) NOT NULL,
 `Data` DATE NOT NULL,
 `Pago` TINYINT(1) NOT NULL,

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PRIMARY KEY (`Curso`, `Aluno`),
INDEX `fk_Matricula_Aluno1_idx` (`Aluno` ASC) VISIBLE,
CONSTRAINT `fk_Matricula_Curso1`
  FOREIGN KEY (`Curso`)
  REFERENCES `mydb`.`Curso` (`Sigla`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION,
CONSTRAINT `fk_Matricula_Aluno1`
  FOREIGN KEY (`Aluno`)
  REFERENCES `mydb`.`Aluno` (`CPF`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;

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

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CREATE TABLE IF NOT EXISTS `mydb`.`Modulo` (
  `Sigla` CHAR(8) NOT NULL,
  `Nome` VARCHAR(250) NOT NULL,
  `Curso` CHAR(8) NOT NULL,
  PRIMARY KEY (`Sigla`),
  INDEX `fk_Modulo_Curso1_idx` (`Curso` ASC) VISIBLE,
  CONSTRAINT `fk_Modulo_Curso1`
    FOREIGN KEY (`Curso`)
    REFERENCES `mydb`.`Curso` (`Sigla`)
    ON DELETE NO ACTION

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        ON UPDATE NO ACTION)
ENGINE = InnoDB;

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

CREATE TABLE IF NOT EXISTS `mydb`.`Professor` (
  `CPF` VARCHAR(11) NOT NULL,
  `Nome` VARCHAR(250) NOT NULL,
  `Curso_Sigla` CHAR(8) NOT NULL,
  PRIMARY KEY (`CPF`, `Curso_Sigla`),
  INDEX `fk_Professor_Curso1_idx` (`Curso_Sigla` ASC) VISIBLE,
  CONSTRAINT `fk_Professor_Curso1`
    FOREIGN KEY (`Curso_Sigla`)
      REFERENCES `mydb`.`Curso` (`Sigla`)
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB;

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-- Table `mydb`.`Topics`
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DROP TABLE IF EXISTS `mydb`.`Topics` ;

CREATE TABLE IF NOT EXISTS `mydb`.`Topics` (
  `Modulo` CHAR(8) NOT NULL,

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`Sigla` CHAR(8) NOT NULL,  
`Nome` VARCHAR(250) NOT NULL,  
`Horas` INT NOT NULL,  
PRIMARY KEY (`Sigla`, `Modulo`),  
INDEX `fk_Topicos_Modulo1_idx` (`Modulo` ASC) VISIBLE,  
CONSTRAINT `fk_Topicos_Modulo1`  
FOREIGN KEY (`Modulo`)  
REFERENCES `mydb`.`Modulo` (`Sigla`)  
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;
```