

*-- MySQL Script generated by MySQL Workbench*

*-- Tue Sep  6 16:43:21 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\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

*-- -----------------------------------------------------*

*-- Schema SAM*

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*-- -----------------------------------------------------*

*-- Schema SAM*

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CREATE SCHEMA IF NOT EXISTS `SAM` DEFAULT CHARACTER SET utf8 ;

USE `SAM` ;

*-- -----------------------------------------------------*

*-- Table `SAM`.`AREA`*

*-- -----------------------------------------------------*

CREATE TABLE IF NOT EXISTS `SAM`.`AREA` (

  `Sigla` VARCHAR(5) NOT NULL,

  `Nome` VARCHAR(45) NOT NULL,

  `SuperArea` VARCHAR(5) NULL,

  PRIMARY KEY (`Sigla`),

  INDEX `fk\_AREA\_SUPERAREA` (`SuperArea` ASC, `Sigla` ASC) VISIBLE,

  UNIQUE INDEX `Sigla\_UNIQUE` (`Sigla` ASC) VISIBLE,

  CONSTRAINT `SuperArea`

    FOREIGN KEY (`SuperArea` , `Sigla`)

    REFERENCES `SAM`.`AREA` (`Sigla` , `SuperArea`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB;

*-- -----------------------------------------------------*

*-- Table `SAM`.`CURSO`*

*-- -----------------------------------------------------*

CREATE TABLE IF NOT EXISTS `SAM`.`CURSO` (

  `Sigla` VARCHAR(5) NOT NULL,

  `Nome` VARCHAR(45) NOT NULL,

  `Horas` INT NULL,

  `Custo` FLOAT NULL,

  `Area` VARCHAR(5) NULL,

  PRIMARY KEY (`Sigla`),

  INDEX `fk\_CURSO\_AREA` (`Area` ASC) VISIBLE,

  UNIQUE INDEX `Sigla\_UNIQUE` (`Sigla` ASC) VISIBLE,

  CONSTRAINT `fk\_CURSO\_AREA1`

    FOREIGN KEY (`Area`)

    REFERENCES `SAM`.`AREA` (`Sigla`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB;

*-- -----------------------------------------------------*

*-- Table `SAM`.`MODULO`*

*-- -----------------------------------------------------*

CREATE TABLE IF NOT EXISTS `SAM`.`MODULO` (

  `Sigla` VARCHAR(5) NOT NULL,

  `Nome` VARCHAR(45) NULL,

  `Curso` VARCHAR(5) NOT NULL,

  INDEX `fk\_MODULO\_CURSO` (`Curso` ASC) VISIBLE,

  UNIQUE INDEX `Sigla\_UNIQUE` (`Sigla` ASC) VISIBLE,

  PRIMARY KEY (`Sigla`),

  CONSTRAINT `fk\_MODULO\_CURSO1`

    FOREIGN KEY (`Curso`)

    REFERENCES `SAM`.`CURSO` (`Sigla`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB;

*-- -----------------------------------------------------*

*-- Table `SAM`.`TOPICO`*

*-- -----------------------------------------------------*

CREATE TABLE IF NOT EXISTS `SAM`.`TOPICO` (

  `Modulo` VARCHAR(5) NOT NULL,

  `Sigla` VARCHAR(5) NOT NULL,

  `Nome` VARCHAR(45) NULL,

  `Horas` INT NOT NULL DEFAULT 0,

  PRIMARY KEY (`Modulo`, `Sigla`),

  CONSTRAINT `fk\_TOPICO\_MODULO1`

    FOREIGN KEY (`Modulo`)

    REFERENCES `SAM`.`MODULO` (`Sigla`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB;

*-- -----------------------------------------------------*

*-- Table `SAM`.`ALUNO`*

*-- -----------------------------------------------------*

CREATE TABLE IF NOT EXISTS `SAM`.`ALUNO` (

  `CPF` INT(11) NOT NULL,

  `Nome` VARCHAR(45) NOT NULL,

  `Sobrenome` VARCHAR(80) NULL,

  `Sexo` CHAR(1) NULL,

  `DataNasc` DATE NULL,

  PRIMARY KEY (`CPF`),

  UNIQUE INDEX `CPF\_UNIQUE` (`CPF` ASC) VISIBLE)

ENGINE = InnoDB;

*-- -----------------------------------------------------*

*-- Table `SAM`.`MATRICULA`*

*-- -----------------------------------------------------*

CREATE TABLE IF NOT EXISTS `SAM`.`MATRICULA` (

  `Curso` VARCHAR(5) NOT NULL,

  `Aluno` INT(11) NOT NULL,

  `Data` DATE NULL,

  `Pago` TINYINT NOT NULL DEFAULT 0,

  PRIMARY KEY (`Curso`, `Aluno`),

  INDEX `fk\_MATRICULA\_ALUNO` (`Aluno` ASC) VISIBLE,

  CONSTRAINT `fk\_MATRICULA\_CURSO1`

    FOREIGN KEY (`Curso`)

    REFERENCES `SAM`.`CURSO` (`Sigla`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION,

  CONSTRAINT `fk\_MATRICULA\_ALUNO1`

    FOREIGN KEY (`Aluno`)

    REFERENCES `SAM`.`ALUNO` (`CPF`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB;

*-- -----------------------------------------------------*

*-- Table `SAM`.`PROFESSOR`*

*-- -----------------------------------------------------*

CREATE TABLE IF NOT EXISTS `SAM`.`PROFESSOR` (

  `Curso` VARCHAR(5) NOT NULL,

  `CPF` INT(11) NOT NULL,

  `Nome` VARCHAR(125) NOT NULL,

  PRIMARY KEY (`Curso`, `CPF`),

  CONSTRAINT `fk\_PROFESSOR\_CURSO1`

    FOREIGN KEY (`Curso`)

    REFERENCES `SAM`.`CURSO` (`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;