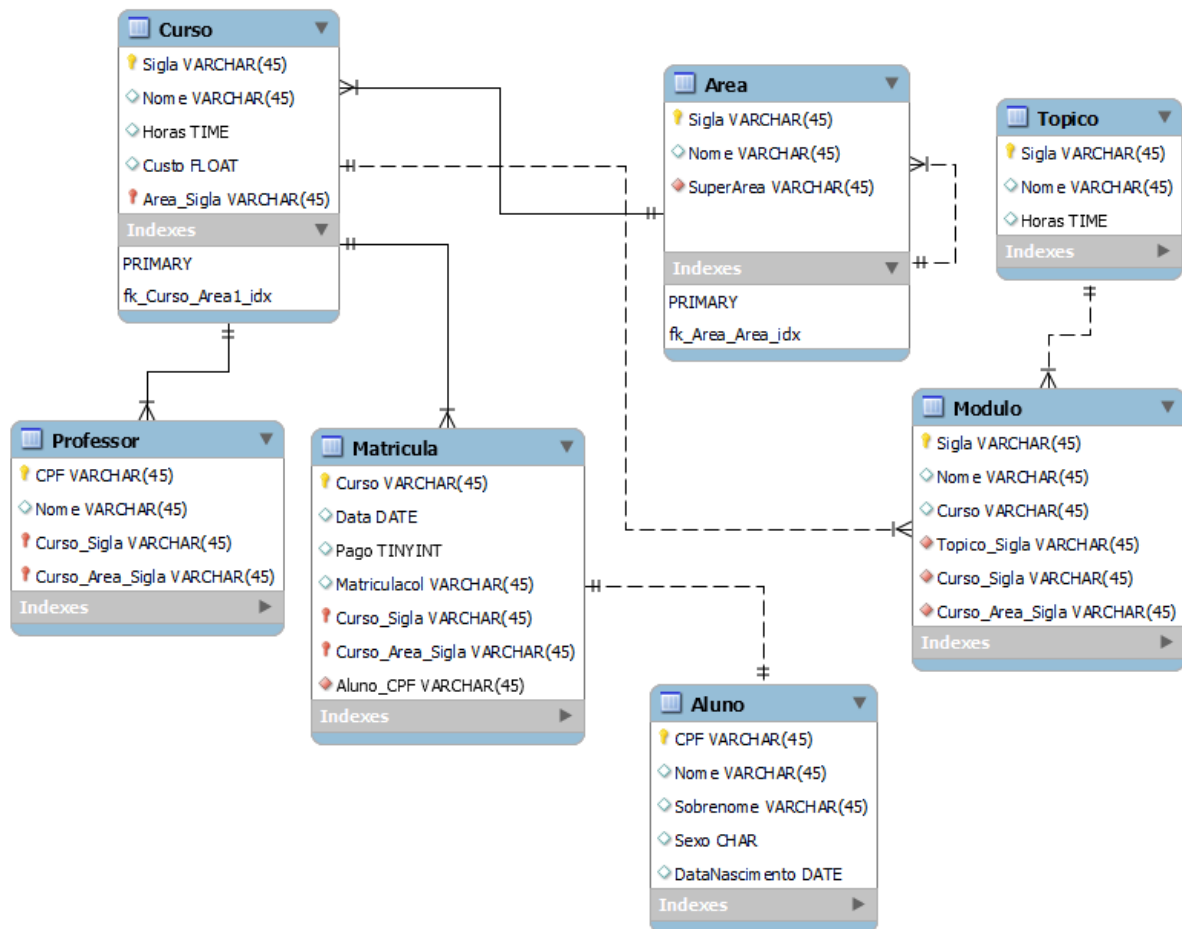


## HO06

1)



2)

```
-- MySQL Script generated by MySQL Workbench
-- Mon Mar 18 23:47:50 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` VARCHAR(45) NOT NULL,  
 `Nome` VARCHAR(45) NULL,  
 `Sobrenome` VARCHAR(45) NULL,  
 `Sexo` CHAR NULL,  
 `DataNascimento` DATE NULL,  
 PRIMARY KEY (`CPF`))  
ENGINE = InnoDB;

-----  
-- Table `Area`  
-----

DROP TABLE IF EXISTS `Area` ;

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

CREATE INDEX `fk\_Area\_Area\_idx` ON `Area` (`SuperArea` ASC) VISIBLE;

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

DROP TABLE IF EXISTS `Curso` ;

CREATE TABLE IF NOT EXISTS `Curso` (  
 `Sigla` VARCHAR(45) NOT NULL,  
 `Nome` VARCHAR(45) NULL,  
 `Horas` TIME NULL,  
 `Custo` FLOAT NULL,  
 `Area\_Sigla` VARCHAR(45) NOT NULL,  
 PRIMARY KEY (`Sigla`, `Area\_Sigla`),

```

CONSTRAINT `fk_Curso_Area1`
  FOREIGN KEY (`Area_Sigla`)
  REFERENCES `Area` (`Sigla`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;

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

```

```

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

DROP TABLE IF EXISTS `Matricula` ;

CREATE TABLE IF NOT EXISTS `Matricula` (
  `Curso` VARCHAR(45) NOT NULL,
  `Data` DATE NULL,
  `Pago` TINYINT NULL,
  `Matriculacol` VARCHAR(45) NULL,
  `Curso_Sigla` VARCHAR(45) NOT NULL,
  `Curso_Area_Sigla` VARCHAR(45) NOT NULL,
  `Aluno_CPF` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`Curso`, `Curso_Sigla`, `Curso_Area_Sigla`),
  CONSTRAINT `fk_Matricula_Curso1`
    FOREIGN KEY (`Curso_Sigla`, `Curso_Area_Sigla`)
    REFERENCES `Curso` (`Sigla`, `Area_Sigla`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_Matricula_Aluno1`
    FOREIGN KEY (`Aluno_CPF`)
    REFERENCES `Aluno` (`CPF`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Matricula_Curso1_idx` ON `Matricula` (`Curso_Sigla` ASC,
`Curso_Area_Sigla` ASC) VISIBLE;

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

```

```

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

DROP TABLE IF EXISTS `Modulo` ;

CREATE TABLE IF NOT EXISTS `Modulo` (

```

```

`Sigla` VARCHAR(45) NOT NULL,
`Nome` VARCHAR(45) NULL,
`Curso` VARCHAR(45) NULL,
`Topico_Sigla` VARCHAR(45) NOT NULL,
`Curso_Sigla` VARCHAR(45) NOT NULL,
`Curso_Area_Sigla` VARCHAR(45) NOT NULL,
PRIMARY KEY (`Sigla`),
CONSTRAINT `fk_Modulo_Topico1`
  FOREIGN KEY (`Topico_Sigla`)
  REFERENCES `Topico` (`Sigla`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION,
CONSTRAINT `fk_Modulo_Curso1`
  FOREIGN KEY (`Curso_Sigla`, `Curso_Area_Sigla`)
  REFERENCES `Curso` (`Sigla`, `Area_Sigla`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Modulo_Topico1_idx` ON `Modulo` (`Topico_Sigla` ASC) VISIBLE;

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

```

```

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

```

```

DROP TABLE IF EXISTS `Professor` ;

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

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

```

```

-----

```

-- Table `Topico`

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

CREATE TABLE IF NOT EXISTS `Topico` (  
 `Sigla` VARCHAR(45) NOT NULL,  
 `Nome` VARCHAR(45) NULL,  
 `Horas` TIME NULL,  
 PRIMARY KEY (`Sigla`))  
ENGINE = InnoDB;

SET SQL\_MODE=@OLD\_SQL\_MODE;  
SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;  
SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;