SQL-Handson-06-Script

-- MySQL Script generated by MySQL Workbench
-- Mon Mar 18 23:39:15 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_E

-- 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,

`DataNasc` 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` , `SuperArea`),
CONSTRAINT
`fk_Area_Area`
FOREIGN KEY (
`SuperArea`)
REFERENCES
`Area` (`Sigla`)
ON DELETE NO ACTION
ON UPDATE NO ACTION)
ENGINE = InnoDB;

```sql
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 INT NOT NULL,

Nome VARCHAR(45) NULL,

Horas TEXT NULL,

Custo FLOAT NULL,

Area VARCHAR(45) NOT NULL,
PRIMARY KEY (
Sigla , Area ),
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 Departamento

DROP TABLE IF EXISTS Departamento ;
CREATE TABLE IF NOT EXISTS Departamento (

Codigo INT NOT NULL,

nome VARCHAR(45) NULL,
PRIMARY KEY (
Codigo ))
ENGINE = InnoDB;

-- Table Funcionario

DROP TABLE IF EXISTS Funcionario ;
CREATE TABLE IF NOT EXISTS Funcionario (

Codigo INT NOT NULL,

nome VARCHAR(45) NULL,

Depto INT NOT NULL,
PRIMARY KEY (
Codigo ))
ENGINE = InnoDB;
```

-- Table `Matricula`

DROP TABLE IF EXISTS `Matricula` ;

CREATE TABLE IF NOT EXISTS `Matricula` (

`Curso` VARCHAR(45) NOT NULL,

`Aluno` VARCHAR(45) NOT NULL,

`Data` DATE NULL,

`Pago` TINYINT NULL,
PRIMARY KEY (
`Curso` , `Aluno`),
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)
ENGINE = InnoDB;

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

CREATE INDEX `fk_Matricula_Curso1_idx` ON `Matricula` (`Curso` 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) NOT NULL,
PRIMARY KEY (
`Sigla`),
CONSTRAINT
`fk_Modulo_Curso1`
FOREIGN KEY (
`Curso`)
REFERENCES
`Curso` (`Sigla`)
ON DELETE NO ACTION

ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_Modulo_Curso1_idx` ON `Modulo` (`Curso` ASC) VISIBLE;

-- Table `Professor`

DROP TABLE IF EXISTS `Professor` ;

CREATE TABLE IF NOT EXISTS `Professor` (

`Curso` VARCHAR(45) NOT NULL,

`CPF` VARCHAR(45) NULL,

`Nome` VARCHAR(45) NULL,
PRIMARY KEY (
`Curso`),
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` (

`Modulo` VARCHAR(45) NOT NULL,

`Sigla` VARCHAR(45) NOT NULL,

`Nome` VARCHAR(45) NULL,

`Horas` TIME NULL,
PRIMARY KEY (
`Sigla` , `Modulo`),
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;
```