

-- MySQL Script generated by MySQL Workbench

-- Mon Oct 26 00:11:01 2020

-- 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

-- Schema lab4

-- Schema lab4

CREATE SCHEMA IF NOT EXISTS `lab4` DEFAULT CHARACTER SET utf8mb4 COLLATE
utf8mb4_0900_ai_ci ;

USE `lab4` ;

-- Table `lab4`.`facultate`

CREATE TABLE IF NOT EXISTS `lab4`.`facultate` (

`id_facultate` INT NOT NULL,

`denumire` VARCHAR(50) NOT NULL,

`adresa` VARCHAR(50) NOT NULL,

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`an_fondare` YEAR NOT NULL,  
`decan` VARCHAR(55) NOT NULL,  
PRIMARY KEY (`id_facultate`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
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--  
-----  
-- Table `lab4`.`specializare`  
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```

```
CREATE TABLE IF NOT EXISTS `lab4`.`specializare` (  
  `id_specializare` INT NOT NULL,  
  `id_facultate` INT NOT NULL,  
  `denumire` VARCHAR(50) NOT NULL,  
  PRIMARY KEY (`id_specializare`),  
  INDEX `fk_facultate_idx` (`id_facultate` ASC) VISIBLE,  
  CONSTRAINT `fk_facultate`  
    FOREIGN KEY (`id_facultate`)  
      REFERENCES `lab4`.`facultate` (`id_facultate`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

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--  
-----  
-- Table `lab4`.`materie`  
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```

```
CREATE TABLE IF NOT EXISTS `lab4`.`materie` (  
  `id_materie` INT NOT NULL,  
  `id_specializare` INT NOT NULL,
```

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`denumire` VARCHAR(50) NOT NULL,
`an_de_studiu` INT NOT NULL,
`semestru` TINYINT(1) NOT NULL,
`profesor` VARCHAR(50) NOT NULL,
PRIMARY KEY (`id_materie`),
INDEX `fk_materie_idx` (`id_specializare` ASC) VISIBLE,
CONSTRAINT `fk_materie`
  FOREIGN KEY (`id_specializare`)
  REFERENCES `lab4`.`specializare` (`id_specializare`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;

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-- Table `lab4`.`persoana`
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```

CREATE TABLE IF NOT EXISTS `lab4`.`persoana` (
  `cnp` INT NOT NULL,
  `seria` VARCHAR(4) NULL DEFAULT NULL,
  `nr` INT NULL DEFAULT NULL,
  `prenume` VARCHAR(30) NOT NULL,
  `nume` VARCHAR(30) NOT NULL,
  `adresa` VARCHAR(50) NOT NULL,
  `nationalitate` VARCHAR(50) NOT NULL,
  PRIMARY KEY (`cnp`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;

```

```
-----  
-- Table `lab4`.`student`  
-----
```

```
CREATE TABLE IF NOT EXISTS `lab4`.`student` (  
  `nr_matricol` INT NOT NULL,  
  `id_specializare` INT NOT NULL,  
  `cnp` INT NULL DEFAULT NULL,  
  `an_curent` INT NOT NULL,  
  `grupa` VARCHAR(10) NOT NULL,  
  `semestru` INT NOT NULL,  
  `bursa` TINYINT NOT NULL,  
  PRIMARY KEY (`nr_matricol`),  
  INDEX `fk_student_idx` (`id_specializare` ASC) VISIBLE,  
  INDEX `fk_cnp_idx` (`cnp` ASC) VISIBLE,  
  CONSTRAINT `fk_cnp`  
    FOREIGN KEY (`cnp`)  
    REFERENCES `lab4`.`persoana` (`cnp`),  
  CONSTRAINT `fk_student`  
    FOREIGN KEY (`id_specializare`)  
    REFERENCES `lab4`.`specializare` (`id_specializare`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8mb4  
COLLATE = utf8mb4_0900_ai_ci;
```

```
-----  
-- Table `lab4`.`nota`  
-----
```

```
CREATE TABLE IF NOT EXISTS `lab4`.`nota` (  
  `id_nota` INT NOT NULL,  
  `id_student` INT NOT NULL,
```

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`id_curs` INT NOT NULL,

`nota` INT NOT NULL,

`data_examen` DATE NULL DEFAULT NULL,

PRIMARY KEY (`id_nota`),

INDEX `fk_nota_idx` (`id_student` ASC) VISIBLE,

INDEX `fk_curs_idx` (`id_curs` ASC) VISIBLE,

CONSTRAINT `fk_curs`

FOREIGN KEY (`id_curs`)

REFERENCES `lab4`.`materie` (`id_materie`),

CONSTRAINT `fk_nota`

FOREIGN KEY (`id_student`)

REFERENCES `lab4`.`student` (`nr_matricol`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4_0900_ai_ci;

```

```

SET SQL_MODE=@OLD_SQL_MODE;

SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;

SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;

```

