-- 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';

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-- Schema mydb

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

USE `mydb` ;

-- -----------------------------------------------------

-- Table `mydb`.`Teacher`

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CREATE TABLE IF NOT EXISTS `mydb`.`Teacher` (

`full name student` VARCHAR(45) NOT NULL,

`date of birth` DATE NULL,

`pasport` INT NULL,

PRIMARY KEY (`full name student`))

ENGINE = InnoDB;

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-- Table `mydb`.`Cabinet`

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CREATE TABLE IF NOT EXISTS `mydb`.`Cabinet` (

`floor` INT NOT NULL,

`Responsible teacher` VARCHAR(45) NULL,

`pasport` INT NULL,

`Teacher\_full name student` VARCHAR(45) NOT NULL,

PRIMARY KEY (`floor`, `Teacher\_full name student`),

INDEX `fk\_Cabinet\_Teacher\_idx` (`Teacher\_full name student` ASC) VISIBLE,

CONSTRAINT `fk\_Cabinet\_Teacher`

FOREIGN KEY (`Teacher\_full name student`)

REFERENCES `mydb`.`Teacher` (`full name student`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`classes`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`classes` (

`№ class` INT NOT NULL,

`number of people` INT NULL,

`headman` VARCHAR(45) NULL,

`quality of knowledge` VARCHAR(45) NULL,

PRIMARY KEY (`№ class`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`schedule`

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CREATE TABLE IF NOT EXISTS `mydb`.`schedule` (

`full name students` VARCHAR(45) NOT NULL,

`№ class` INT NULL,

`day of the week` VARCHAR(45) NULL,

`№ lesson` INT NULL,

`Teacher\_full name student` VARCHAR(45) NOT NULL,

`classes\_№ class` INT NOT NULL,

PRIMARY KEY (`full name students`, `Teacher\_full name student`, `classes\_№ class`),

INDEX `fk\_schedule\_Teacher1\_idx` (`Teacher\_full name student` ASC) VISIBLE,

INDEX `fk\_schedule\_classes1\_idx` (`classes\_№ class` ASC) VISIBLE,

CONSTRAINT `fk\_schedule\_Teacher1`

FOREIGN KEY (`Teacher\_full name student`)

REFERENCES `mydb`.`Teacher` (`full name student`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_schedule\_classes1`

FOREIGN KEY (`classes\_№ class`)

REFERENCES `mydb`.`classes` (`№ class`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`lessons`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`lessons` (

`names` VARCHAR(45) NOT NULL,

`full name students` VARCHAR(45) NULL,

PRIMARY KEY (`names`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`extracurricular activites`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`extracurricular activites` (

`name` VARCHAR(45) NOT NULL,

`full name students` VARCHAR(45) NULL,

`number of students` INT NULL,

`Teacher\_full name student` VARCHAR(45) NOT NULL,

`lessons\_names` VARCHAR(45) NOT NULL,

PRIMARY KEY (`name`, `Teacher\_full name student`, `lessons\_names`),

INDEX `fk\_extracurricular activites\_Teacher1\_idx` (`Teacher\_full name student` ASC) VISIBLE,

INDEX `fk\_extracurricular activites\_lessons1\_idx` (`lessons\_names` ASC) VISIBLE,

CONSTRAINT `fk\_extracurricular activites\_Teacher1`

FOREIGN KEY (`Teacher\_full name student`)

REFERENCES `mydb`.`Teacher` (`full name student`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_extracurricular activites\_lessons1`

FOREIGN KEY (`lessons\_names`)

REFERENCES `mydb`.`lessons` (`names`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`students`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`students` (

`student's full name` VARCHAR(45) NOT NULL,

`date of birth` DATE NULL,

`№ class` INT NULL,

`lessons\_names` VARCHAR(45) NOT NULL,

`classes\_№ class` INT NOT NULL,

PRIMARY KEY (`student's full name`, `lessons\_names`, `classes\_№ class`),

INDEX `fk\_students\_lessons1\_idx` (`lessons\_names` ASC) VISIBLE,

INDEX `fk\_students\_classes1\_idx` (`classes\_№ class` ASC) VISIBLE,

CONSTRAINT `fk\_students\_lessons1`

FOREIGN KEY (`lessons\_names`)

REFERENCES `mydb`.`lessons` (`names`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_students\_classes1`

FOREIGN KEY (`classes\_№ class`)

REFERENCES `mydb`.`classes` (`№ class`)

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;