

```
DROP SCHEMA IF EXISTS `musical_system`;
```

```
CREATE SCHEMA IF NOT EXISTS `musical_system`;
```

```
DROP TABLE IF EXISTS `musical_system`.`compact_disks`;  
CREATE TABLE IF NOT EXISTS `musical_system`.`compact_disks` (  
  `disk_id` INT NOT NULL,  
  `title` VARCHAR(45) NULL,  
  `year` YEAR(4) NULL,  
  PRIMARY KEY (`disk_id`))  
ENGINE = InnoDB;
```

```
DROP TABLE IF EXISTS `musical_system`.`pieces_of_music`;  
CREATE TABLE IF NOT EXISTS `musical_system`.`pieces_of_music` (  
  `track_id` INT NOT NULL,  
  `title` VARCHAR(45) NULL,  
  PRIMARY KEY (`track_id`))  
ENGINE = InnoDB;
```

```
DROP TABLE IF EXISTS `musical_system`.`recorded_disks`;  
CREATE TABLE IF NOT EXISTS `musical_system`.`recorded_disks` (  
  `disk_id` INT NOT NULL,  
  `track_id` INT NOT NULL,  
  PRIMARY KEY (`disk_id`, `track_id`),  
  INDEX `fk_compact_disks_has_pieces_of_music_pieces_of_music1_idx` (`track_id` ASC)  
VISIBLE,  
  INDEX `fk_compact_disks_has_pieces_of_music_compact_disks_idx` (`disk_id` ASC) VISIBLE,  
  CONSTRAINT `fk_compact_disks_has_pieces_of_music_compact_disks`  
    FOREIGN KEY (`disk_id`)  
    REFERENCES `musical_system`.`compact_disks` (`disk_id`)  
    ON DELETE NO ACTION  
    ON UPDATE CASCADE,  
  CONSTRAINT `fk_compact_disks_has_pieces_of_music_pieces_of_music1`  
    FOREIGN KEY (`track_id`)  
    REFERENCES `musical_system`.`pieces_of_music` (`track_id`)  
    ON DELETE NO ACTION  
    ON UPDATE CASCADE)  
ENGINE = InnoDB;
```

```
DROP TABLE IF EXISTS `musical_system`.`persons`;  
CREATE TABLE IF NOT EXISTS `musical_system`.`persons` (  
  `person_id` INT NOT NULL,  
  `name` VARCHAR(45) NULL,  
  `nationality` VARCHAR(3) NULL,  
  PRIMARY KEY (`person_id`))  
ENGINE = InnoDB;
```

```
DROP TABLE IF EXISTS `musical_system`.`authorships`;
CREATE TABLE IF NOT EXISTS `musical_system`.`authorships` (
  `authorship_id` INT NOT NULL,
  `type` VARCHAR(45) NULL,
  PRIMARY KEY (`authorship_id`))
ENGINE = InnoDB;
```

```
DROP TABLE IF EXISTS `musical_system`.`author_of`;
CREATE TABLE IF NOT EXISTS `musical_system`.`author_of` (
  `track_id` INT NOT NULL,
  `authorship_id` INT NOT NULL,
  `person_id` INT NOT NULL,
  PRIMARY KEY (`track_id`, `authorship_id`, `person_id`),
  INDEX `fk_pieces_of_music_has_authorships_authorships1_idx` (`authorship_id` ASC) VISIBLE,
  INDEX `fk_pieces_of_music_has_authorships_pieces_of_music1_idx` (`track_id` ASC) VISIBLE,
  INDEX `fk_pieces_of_music_has_authorships_persons1_idx` (`person_id` ASC) VISIBLE,
  CONSTRAINT `fk_pieces_of_music_has_authorships_pieces_of_music1`
    FOREIGN KEY (`track_id`)
    REFERENCES `musical_system`.`pieces_of_music` (`track_id`)
    ON DELETE NO ACTION
    ON UPDATE CASCADE,
  CONSTRAINT `fk_pieces_of_music_has_authorships_authorships1`
    FOREIGN KEY (`authorship_id`)
    REFERENCES `musical_system`.`authorships` (`authorship_id`)
    ON DELETE NO ACTION
    ON UPDATE CASCADE,
  CONSTRAINT `fk_pieces_of_music_has_authorships_persons1`
    FOREIGN KEY (`person_id`)
    REFERENCES `musical_system`.`persons` (`person_id`)
    ON DELETE NO ACTION
    ON UPDATE CASCADE)
ENGINE = InnoDB;
```

```
DROP TABLE IF EXISTS `musical_system`.`instruments`;
CREATE TABLE IF NOT EXISTS `musical_system`.`instruments` (
  `instrument_id` INT NOT NULL,
  `name` VARCHAR(45) NULL,
  PRIMARY KEY (`instrument_id`))
ENGINE = InnoDB;
```

```
DROP TABLE IF EXISTS `musical_system`.`plays`;
CREATE TABLE IF NOT EXISTS `musical_system`.`plays` (
  `track_id` INT NOT NULL,
  `person_id` INT NOT NULL,
  `instrument_id` INT NOT NULL,
  PRIMARY KEY (`track_id`, `person_id`, `instrument_id`),
  INDEX `fk_pieces_of_music_has_persons_persons1_idx` (`person_id` ASC) VISIBLE,
```

```

INDEX `fk_pieces_of_music_has_persons_pieces_of_music1_idx` (`track_id` ASC) VISIBLE,
INDEX `fk_pieces_of_music_has_persons_instruments1_idx` (`instrument_id` ASC) VISIBLE,
CONSTRAINT `fk_pieces_of_music_has_persons_pieces_of_music1`
  FOREIGN KEY (`track_id`)
    REFERENCES `musical_system`.`pieces_of_music` (`track_id`)
    ON DELETE NO ACTION
    ON UPDATE CASCADE,
CONSTRAINT `fk_pieces_of_music_has_persons_persons1`
  FOREIGN KEY (`person_id`)
    REFERENCES `musical_system`.`persons` (`person_id`)
    ON DELETE NO ACTION
    ON UPDATE CASCADE,
CONSTRAINT `fk_pieces_of_music_has_persons_instruments1`
  FOREIGN KEY (`instrument_id`)
    REFERENCES `musical_system`.`instruments` (`instrument_id`)
    ON DELETE NO ACTION
    ON UPDATE CASCADE)
ENGINE = InnoDB;

```

