

- [Wróć](#)

Baza Danych

Skrypt tworzący strukturę tabel

```
/*
Sprawdzone w konfiguracji:
-- -- -- -- SHOW VARIABLES LIKE "%version%"; query result: -- -- -- --
innodb_version,5.7.29
protocol_version,10
slave_type_conversions,""
tls_version,"TLSv1,TLSv1.1,TLSv1.2"
version,5.7.29
version_comment,MySQL Community Server (GPL)
version_compile_machine,x86_64
version_compile_os,Linux
-- -- -- -- --
*/

DROP TABLE IF EXISTS recorded_by;
DROP TABLE IF EXISTS belongs_to;
DROP TABLE IF EXISTS songs;
DROP TABLE IF EXISTS artists;
DROP TABLE IF EXISTS albums;

CREATE TABLE IF NOT EXISTS albums (
  `id`          VARCHAR(24) UNIQUE,
  `name`        VARCHAR(196) NOT NULL,
  `release_date` DATE DEFAULT NULL,
  `spotify_link` VARCHAR(128) NULL,
  `created_at`  DATETIME DEFAULT NOW(),
  PRIMARY KEY(`id`)
);

CREATE TABLE IF NOT EXISTS songs (
  `id`          VARCHAR(24) UNIQUE,
  `name`        VARCHAR(128) NOT NULL,
  `explicit`    BIT NULL,
  `key`         TINYINT NULL,
  `mode`        BIT NULL,
  `danceability` FLOAT(3) NULL,
  `energy`      FLOAT(3) NULL,
  `acousticness` FLOAT(3) NULL,
  `instrumentalness` FLOAT(3) NULL,
  `valence`     FLOAT(3) NULL,
  `release_date` DATE DEFAULT NULL,
  `spotify_link` VARCHAR(128) NULL,
  `album_id`    VARCHAR(24) NULL,
  `created_at`  DATETIME DEFAULT NOW(),
  PRIMARY KEY(`id`),
  FOREIGN KEY (`album_id`)
    REFERENCES albums(`id`)
    ON DELETE SET NULL
);

CREATE TABLE IF NOT EXISTS countries (
  `iso_code`    VARCHAR(3) UNIQUE,
  `name`        VARCHAR(128) NOT NULL,
  PRIMARY KEY(iso_code)
);

CREATE TABLE IF NOT EXISTS artists (
  `id`          VARCHAR(24) UNIQUE,
  `name`        VARCHAR(128) NOT NULL,
  `description`  TEXT(516) NULL,
  `country`     VARCHAR(2) NULL,
  `spotify_link` VARCHAR(128) NULL,
```

```
`created_at`          DATETIME DEFAULT NOW(),
PRIMARY KEY(`id`),
FOREIGN KEY (`country`)
    REFERENCES countries(`iso_code`)
    ON DELETE SET NULL
);

CREATE TABLE IF NOT EXISTS recorded_by (
    `id`                INT AUTO_INCREMENT,
    `track_id`          VARCHAR(24) NOT NULL,
    `artist_id`         VARCHAR(24) NOT NULL,
    UNIQUE (`track_id`, `artist_id`),
    PRIMARY KEY (`id`),
    FOREIGN KEY (`track_id`)
        REFERENCES songs(`id`)
        ON DELETE CASCADE,
    FOREIGN KEY (`artist_id`)
        REFERENCES artists(`id`)
        ON DELETE CASCADE
);

CREATE TABLE IF NOT EXISTS belongs_to (
    `id`                INT AUTO_INCREMENT,
    `album_id`          VARCHAR(24) NOT NULL,
    `artist_id`         VARCHAR(24) NOT NULL,
    UNIQUE (`album_id`, `artist_id`),
    PRIMARY KEY (`id`),
    FOREIGN KEY (`album_id`)
        REFERENCES albums(`id`)
        ON DELETE CASCADE,
    FOREIGN KEY (`artist_id`)
        REFERENCES artists(`id`)
        ON DELETE CASCADE
);
```