Šolski center Velenje
Višja strokovna šola
Trg mladosti 3
Velenje

Seminarska naloga pri Zbirke podatkov 1

# Filmi Podatkovna Baza 2018

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**Predavatelj:** Srečko Zorman, univ. dipl. inž.

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**VSEBINA:**

# 1. UVOD

V tej seminarski nalogi je predstavljen model podatkovne baze za **različne filme**.
Baza vsebuje možnost vnašanje režiserjev, producerjev, igralcev, filmov, držav in itd.

En izmed mojih hobijev je gledanje več različnih filmov, različnih žanrov in letnikov. Zato sem imel veliko interesa pri zgradbi te podatkovne baze.

# 2. PREDSTAVITEV MODELA

Baza sem zgradil na način, da lahko vsebuje čim več podatkov na podrobni način. Baza vsebuje 14 tabel (trije izmed njih so vmesne entitete), vsaka tabela vsebuje več različnih atributov, da vsebuje vse podatke.

# 3. PODATKOVNA BAZA

## 3.1.ENTITETNO RELACIJSKI MODEL

### 3.1.1 OPIS ENTITETNO RELACIJSKEGA MODEL

Z orodjem Toad Data Modeler sem pripravil entiteno relacijski model, ki sem ga kasneje izvozil v orodje za kreiranje podatkovne baze **SQL Manager for Postgre SQL**.

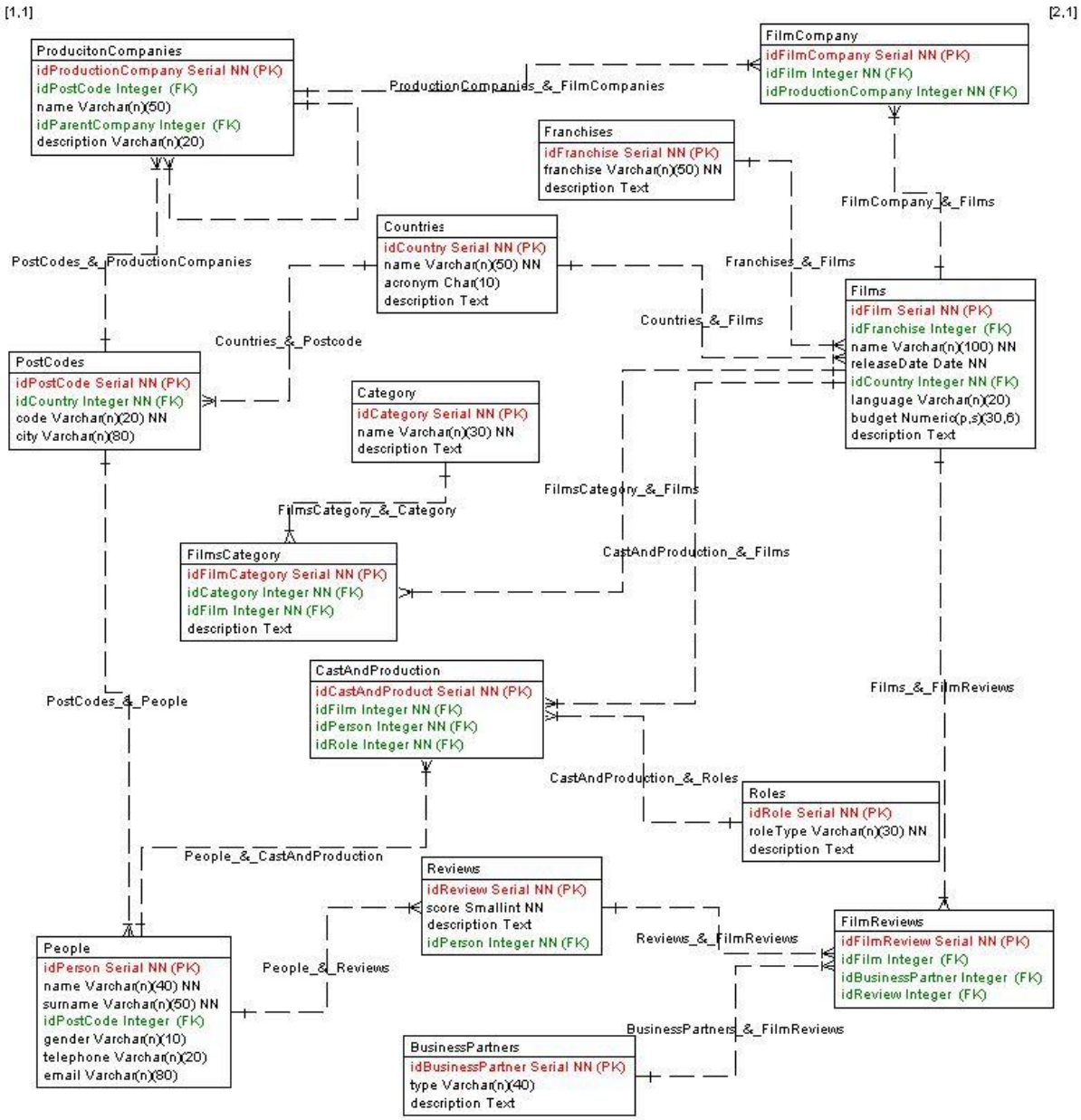
Uporabljal sem **SUPB** PostgreSQL.

Za vsako entiteto sem določil umetni kluč *(primary key)*, generirajo se samodejno zaradi *SERIAL* data tipa, ki je auto-increment.
Iz prakse vemo, da je to najučinkovitejše, ni jih potrebno spreminjati, saj jih uporabnik sploh ne vidi. Umetni ključi za posamezno entiteto so:

**Table report**

| Table name | Table type | Primary key | # Attributes |
|---|---|---|---|
| Films | independent | idFilm | 8 |
| Countries | independent | idCountry | 4 |
| PostCodes | independent | idPostCode | 4 |
| People | independent | idPerson | 7 |
| Roles | independent | idRoles | 3 |
| CastAndProduction | independent | idCastAndProduction | 4 |
| BusinessPartners | independent | idBusinessPartner | 3 |
| Reviews | independent | idReview | 4 |
| ProducitonCompanies | independent | idProductionCompany | 5 |
| FilmReviews | independent | idFilmReviews | 4 |
| FilmCompany | independent | idFilmCompany | 3 |
| Category | independent | idCategory | 3 |
| FilmsCategory | independent | idFilmsCategory | 4 |
| Franchises | independent | idFranchise | 3 |

## 3.1.2 ENTITETNO RELACIJSKI DIAGRAM



## 3.1.3 PODROBNO PREDSTAVLJENE ENTITETE

1) Entiteta **Countries**.

### Primary key report

| Key name | Table name |
|---|---|
| pk_Countries | Countries |

### Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idCountry | Countries | Serial | YES | NO |
| name | Countries | Varchar(n) | NO | NO |
| acronym | Countries | Char | NO | NO |
| description | Countries | Text | NO | NO |

### Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| Countries_&_Postcode | Non-identifying | Countries | PostCodes | 1:N |
| Countries_&_Films | Non-identifying | Countries | Films | 1:N |

2) Entiteta **PostCodes**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_PostCodes | PostCodes |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idPostCode | PostCodes | Serial | YES | NO |
| idCountry | PostCodes | Integer | NO | YES |
| code | PostCodes | Varchar(n) | NO | NO |
| city | PostCodes | Varchar(n) | NO | NO |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| Countries_&_Postcode | Non-identifying | Countries | PostCodes | 1:N |
| PostCodes_&_People | Non-identifying | PostCodes | People | 1:N |
| PostCodes_&_ProductionCompanies | Non-identifying | PostCodes | ProductionCompanies | 1:N |

3) Entiteta **People**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_People | People |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idPerson | People | Serial | YES | NO |
| name | People | Varchar(n) | NO | NO |
| surname | People | Varchar(n) | NO | NO |
| idPostCode | People | Integer | NO | YES |
| gender | People | gender | NO | NO |
| telephone | People | Varchar(n) | NO | NO |
| email | People | Varchar(n) | NO | NO |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| PostCodes_&_People | Non-identifying | PostCodes | People | 1:N |
| People_&_CastAndProduction | Non-identifying | People | CastAndProduction | 1:N |
| People_&_Reviews | Non-identifying | People | Reviews | 1:N |

4) Entiteta **Franchises**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_Franchises | Franchises |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idFranchise | Franchises | Serial | YES | NO |
| franchise | Franchises | Varchar(n) | NO | NO |
| description | Franchises | Text | NO | NO |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| Franchises_&_Films | Non-identifying | Franchises | Films | 1:N |

5) Entiteta **Category**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_Category | Category |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idCategory | Category | Serial | YES | NO |
| name | Category | Varchar(n) | NO | NO |
| description | Category | Text | NO | NO |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| FilmsCategory_&_Category | Non-identifying | Category | FilmsCategory | 1:N |

6) Entiteta **Films**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_Films | Films |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idFilm | Films | Serial | YES | NO |
| idFranchise | Films | Integer | NO | YES |
| name | Films | Varchar(n) | NO | NO |
| releaseDate | Films | Date | NO | NO |
| idCountry | Films | Integer | NO | YES |
| language | Films | Varchar(n) | NO | NO |
| budget | Films | Numeric(p,s) | NO | NO |
| description | Films | Text | NO | NO |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| CastAndProduction_&_Films | Non-identifying | Films | CastAndProduction | 1:N |
| Countries_&_Films | Non-identifying | Countries | Films | 1:N |
| Films_&_FilmReviews | Non-identifying | Films | FilmReviews | 1:N |
| FilmCompany_&_Films | Non-identifying | Films | FilmCompany | 1:N |
| FilmsCategory_&_Films | Non-identifying | Films | FilmsCategory | 1:N |
| Franchises_&_Films | Non-identifying | Franchises | Films | 1:N |

7) Entiteta **FilmsCategory**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_FilmsCategory | FilmsCategory |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idFilmCategory | FilmsCategory | Serial | YES | NO |
| idCategory | FilmsCategory | Integer | NO | YES |
| idFilm | FilmsCategory | Integer | NO | YES |
| description | FilmsCategory | Text | NO | NO |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| FilmsCategory_&_Films | Non-identifying | Films | FilmsCategory | 1:N |
| FilmsCategory_&_Category | Non-identifying | Category | FilmsCategory | 1:N |

8) Entiteta **Roles**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_Roles | Roles |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idRole | Roles | Serial | YES | NO |
| roleType | Roles | Varchar(n) | NO | NO |
| description | Roles | Text | NO | NO |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| CastAndProduction_&_Roles | Non-identifying | Roles | CastAndProduction | 1:N |

9) Entiteta **CastAndProduction.**

## Primary key report

| Key name | Table name |
|---|---|
| pk_CastAndProduction | CastAndProduction |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idCastAndProduct | CastAndProduction | Serial | YES | NO |
| idFilm | CastAndProduction | Integer | NO | YES |
| idPerson | CastAndProduction | Integer | NO | YES |
| idRole | CastAndProduction | Integer | NO | YES |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| CastAndProduction_&_Films | Non-identifying | Films | CastAndProduction | 1:N |
| CastAndProduction_&_Roles | Non-identifying | Roles | CastAndProduction | 1:N |
| People_&_CastAndProduction | Non-identifying | People | CastAndProduction | 1:N |

10) Entiteta **Reviews**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_FilmReviews | FilmReviews |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idReview | Reviews | Serial | YES | NO |
| score | Reviews | Smallint | NO | NO |
| description | Reviews | Text | NO | NO |
| idPerson | Reviews | Integer | NO | YES |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| Reviews_&_FilmReviews | Non-identifying | Reviews | FilmReviews | 1:N |
| People_&_Reviews | Non-identifying | People | Reviews | 1:N |

11) Entiteta **BusinessPartners**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_BusinessPartners | BusinessPartners |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idBusinessPartner | BusinessPartners | Serial | YES | NO |
| type | BusinessPartners | Varchar(n) | NO | NO |
| description | BusinessPartners | Text | NO | NO |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| BusinessPartners_&_FilmReviews | Non-identifying | BusinessPartners | FilmReviews | 1:N |

12) Entiteta **FilmReviews**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_FilmReviews | FilmReviews |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idFilmReview | FilmReviews | Serial | YES | NO |
| idFilm | FilmReviews | Integer | NO | YES |
| idBusinessPartner | FilmReviews | Integer | NO | YES |
| idReview | FilmReviews | Integer | NO | YES |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| Films_&_FilmReviews | Non-identifying | Films | FilmReviews | 1:N |
| Reviews_&_FilmReviews | Non-identifying | Reviews | FilmReviews | 1:N |
| BusinessPartners_&_FilmReviews | Non-identifying | BusinessPartners | FilmReviews | 1:N |

13) Entiteta **ProductionCompany**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_ProducitonCompanies | ProducitonCompanies |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idProductionCompany | ProducitonCompanies | Serial | YES | NO |
| idPostCode | ProducitonCompanies | Integer | NO | YES |
| name | ProducitonCompanies | Varchar(n) | NO | NO |
| idParentCompany | ProducitonCompanies | Integer | NO | YES |
| description | ProducitonCompanies | Varchar(n) | NO | NO |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| ProductionCompanies_&_FilmCompanies | Non-identifying | ProducitonCompanies | FilmCompany | 1:N |
| | Non-identifying | ProducitonCompanies | ProducitonCompanies | 1:N |
| PostCodes_&_ProductionCompanies | Non-identifying | PostCodes | ProducitonCompanies | 1:N |

14) Entiteta **FilmCompany**.

## Primary key report

| Key name | Table name |
|---|---|
| pk_FilmCompany | FilmCompany |

## Column report

| Column name | Table name | Data type | PK | FK |
|---|---|---|---|---|
| idFilmCompany | FilmCompany | Serial | YES | NO |
| idFilm | FilmCompany | Integer | NO | YES |
| idProductionCompany | FilmCompany | Integer | NO | YES |

## Relationship report

| Constraint name | Relationship type | Parent table | Child table | Card. |
|---|---|---|---|---|
| FilmCompany_&_Films | Non-identifying | Films | FilmCompany | 1:N |
| ProductionCompanies_&_FilmCompanies | Non-identifying | ProducitonCompanies | FilmCompany | 1:N |

## 3.2. USTVARJANJE PODATKOVNE BAZE

### 3.2.1 USTVARJANJE DOMEN

1) **CREATE DOMAIN dGender VARCHAR(10) CHECK(UPPER (value) IN** ('MALE', 'FEMALE'));

### 3.2.2 USTVARJANJE TABEL

1) **CREATE TABLE Films (**
   **idFilm SERIAL NOT NULL,**
   **idFranchise INTEGER,**
   **name VARCHAR(100) NOT NULL, releaseDate DATE NOT NULL, idCountry INTEGER NOT NULL, language VARCHAR(20),**
   **budget NUMERIC,**
   **description TEXT,**
   **CONSTRAINT pk_Films PRIMARY KEY (idFilm) ) Without Oids;**

2) **CREATE TABLE Countries (**
   **idCountry SERIAL NOT NULL,**
   **name VARCHAR(50) NOT NULL, acronym CHAR(10),**
   **description TEXT,**
   **CONSTRAINT pk_Countries PRIMARY KEY (idCountry) ) Without Oids;**

3) **CREATE TABLE PostCodes (**
   **idPostCode SERIAL NOT NULL,**
   **idCountry INTEGER NOT NULL,**
   **code INTEGER NOT NULL,**
   **city VARCHAR(80),**
   **CONSTRAINT pk_PostCodes PRIMARY KEY (idPostCode) ) Without Oids;**

4) **CREATE TABLE People ( idPerson SERIAL NOT NULL, name VARCHAR(40) NOT NULL, surname VARCHAR(50) NOT NULL, idPostCode INTEGER, gender dGender, telephone VARCHAR(20), email VARCHAR(80),**
   **CONSTRAINT pk_People PRIMARY KEY (idPerson) ) Without Oids;**

5) **CREATE TABLE Roles ( idRole SERIAL NOT NULL, roleType VARCHAR(30) NOT NULL, description TEXT, CONSTRAINT pk_Roles PRIMARY KEY (idRole) ) Without Oids;**

6) **CREATE TABLE CastAndProduction ( idCastAndProduct SERIAL NOT NULL, idFilm INTEGER NOT NULL, idPerson INTEGER NOT NULL, idRole INTEGER NOT NULL, CONSTRAINT pk_CastAndProduction PRIMARY KEY (idCastAndProduct) ) Without Oids;**

7) **CREATE TABLE BusinessPartners ( idBusinessPartner SERIAL NOT NULL, type VARCHAR(40), description TEXT, CONSTRAINT pk_BusinessPartners PRIMARY KEY (idBusinessPartner) ) Without Oids;**

8) **CREATE TABLE Reviews ( idReview SERIAL NOT NULL, score SMALLINT NOT NULL, description TEXT, idPerson INTEGER NOT NULL, CONSTRAINT pk_Reviews PRIMARY KEY (idReview) ) Without Oids;**

9) **CREATE TABLE ProducitonCompanies ( idProductionCompany SERIAL NOT NULL, idPostCode INTEGER, name VARCHAR(50), idParentCompany INTEGER, description VARCHAR(20), CONSTRAINT pk_ProducitonCompanies PRIMARY KEY (idProductionCompany) ) Without Oids;**

10) **CREATE TABLE FilmReviews ( idFilmReview SERIAL NOT NULL, idFilm INTEGER, idBusinessPartner INTEGER, idReview INTEGER, CONSTRAINT pk_FilmReviews PRIMARY KEY (idFilmReview) ) Without Oids;**

11) **CREATE TABLE FilmCompany (**
**idFilmCompany SERIAL NOT NULL, idFilm**
**INTEGER NOT NULL, idProductionCompany**
**INTEGER NOT NULL,**
**CONSTRAINT pk_FilmCompany PRIMARY KEY**
**(idFilmCompany) ) Without Oids;**

12) **CREATE TABLE Category (**
**idCategory SERIAL NOT NULL,**
**name VARCHAR(30) NOT**
**NULL, description TEXT,**
**CONSTRAINT pk_Category PRIMARY KEY (idCategory)**
**) Without Oids;**

13) **CREATE TABLE FilmsCategory (**
**idFilmCategory SERIAL NOT**
**NULL, idCategory INTEGER NOT**
**NULL, idFilm INTEGER NOT**
**NULL, description TEXT,**
**CONSTRAINT pk_FilmsCategory PRIMARY KEY**
**(idFilmCategory) ) Without Oids;**

14) **CREATE TABLE Franchises (**
**idFranchise SERIAL NOT NULL,**
**franchise VARCHAR(50) NOT**
**NULL, description TEXT,**
**CONSTRAINT pk_Franchises PRIMARY KEY**
**(idFranchise) ) Without Oids;**

### 3.2.3 USTVARJANJE INDEKSOV

1) **CREATE INDEX** IX_CastAndProduction___Films **ON** CastAndProduction (**idFilm**);

2) **CREATE INDEX** IX_Films___FilmReviews **ON** FilmReviews (**idFilm**);

3) **CREATE INDEX** IX_FilmCompany___Films **ON** FilmCompany (**idFilm**);

4) **CREATE INDEX** IX_FilmsCategory___Films **ON** FilmsCategory (**idFilm**);

5) **CREATE INDEX** IX_Countries_Postcode **ON** PostCodes (**idCountry**);

6) **CREATE INDEX** IX_Countries___Films **ON** Films (**idCountry**);

7) **CREATE INDEX** IX_PostCodes___People **ON** People (**idPostCode**);

8) **CREATE INDEX** IX_PostCodes___ProductionCompanies **ON** ProducitonCompanies (**idPostCode**);

9) **CREATE INDEX** IX_People___CastAndProduction **ON** CastAndProduction (**idPerson**);

10) **CREATE INDEX** IX_People___Reviews **ON** Reviews (**idPerson**);

11) **CREATE INDEX** IX_CastAndProduction___Roles **ON** CastAndProduction (**idRole**);

12) **CREATE INDEX** IX_BusinessPartners___FilmReviews **ON** FilmReviews (**idBusinessPartner**);

13) **CREATE INDEX** IX_Reviews___FilmReviews **ON** FilmReviews (**idReview**);

14) **CREATE INDEX** IX_ProductionCompanies___FilmCompanies **ON** FilmCompany (**idProductionCompany**);

15) **CREATE INDEX** IX_ProductionCompanies **ON** ProducitonCompanies (**idParentCompany**);

16) **CREATE INDEX** IX_FilmsCategory___Category **ON** FilmsCategory (**idCategory**);

17) **CREATE INDEX** IX_Franchises___Films **ON** Films (**idFranchise**);

### 3.2.4 USTVARJANJE RELACIJ

1) **ALTER TABLE CastAndProduction ADD CONSTRAINT CastAndProduction___Films FOREIGN KEY (idFilm) REFERENCES Films (idFilm) ON UPDATE RESTRICT ON DELETE RESTRICT;**

2) **ALTER TABLE FilmReviews ADD CONSTRAINT Films___FilmReviews FOREIGN KEY (idFilm) REFERNCES Films (idFilm) ON UPDATE RESTRICT ON DELETE RESTRICT;**

3) **ALTER TABLE FilmCompany ADD CONSTRAINT FilmCompany___Films FOREIGN KEY (idFilm) REFERENCES Films (idFilm) ON UPDATE RESTRICT ON DELETE RESTRICT;**

4) **ALTER TABLE FilmsCategory ADD CONSTRAINT FilmsCategory___Films FOREIGN KEY (idFilm) REFERENCES Films (idFilm) ON UPDATE RESTRICT ON DELETE RESTRICT;**

5) **ALTER PostCodes ADD CONSTRAINT Countries_Postcode FOREIGN KEY (idCountry) REFERENCES Countries (idCountry) ON UPDATE RESTRICT ON DELETE RESTRICT;**

6) **ALTER TABLE Films ADD CONSTRAINT Countries___Films FOREIGN KEY (idCountry) REFERENCES Countries (idCountry) ON UPDATE RESTRICT ON DELETE RESTRICT;**

7) **ALTER TABLE People ADD CONSTRAINT PostCodes___People FOREIGN KEY (idPostCode) REFERENCES PostCodes (idPostCode) ON UPDATE RESTRICT ON DELETE RESTRICT;**

8) **ALTER TABLE ProducitonCompanies ADD CONSTRAINT PostCodes___ProductionCompanies FOREIGN KEY (idPostCode) REFERENCES PostCodes (idPostCode) ON UPDATE RESTRICT ON DELETE RESTRICT;**

9) **ALTER TABLE CastAndProduction ADD CONSTRAINT People___CastAndProduction FOREIGN KEY (idPerson) REFERENCES People (idPerson) ON UPDATE RESTRICT ON DELETE RESTRICT;**

10) **ALTER TABLE Reviews ADD CONSTRAINT People___Reviews FOREIGN KEY (idPerson) REFERENCES People (idPerson) ON UPDATE RESTRICT ON DELETE RESTRICT;**

11) **ALTER TABLE CastAndProduction ADD CONSTRAINT CastAndProduction___Roles FOREIGN KEY (idRole) REFERENCES Roles (idRole) ON UPDATE RESTRICT ON DELETE RESTRICT;**

12) **ALTER TABLE FilmReviews ADD CONSTRAINT BusinessPartners___FilmReviews FOREIGN KEY (idBusinessPartner) REFERENCES BusinessPartners (idBusinessPartner) ON UPDATE RESTRICT ON DELETE RESTRICT**;

13) **ALTER TABLE FilmReviews ADD CONSTRAINT Reviews___FilmReviews FOREIGN KEY (idReview) REFERENCES Reviews (idReview) ON UPDATE RESTRICT ON DELETE RESTRICT**;

14) **ALTER TABLE FilmCompany ADD CONSTRAINT ProductionCompanies___FilmCompanies FOREIGN KEY (idProductionCompany) REFERENCES ProducitonCompanies (idProductionCompany) ON UPDATE RESTRICT ON DELETE RESTRICT**;

15) **ALTER TABLE ProducitonCompanies ADD FOREIGN KEY (idParentCompany) REFERENCES ProducitonCompanies (idProductionCompany) ON UPDATE RESTRICT ON DELETE RESTRICT**;

16) **ALTER TABLE FilmsCategory ADD CONSTRAINT FilmsCategory___Category FOREIGN KEY (idCategory) REFERENCES Category (idCategory) ON UPDATE RESTRICT ON DELETE RESTRICT**;

17) **ALTER TABLE Films ADD CONSTRAINT Franchises___Films FOREIGN KEY (idFranchise) REFERENCES Franchises (idFranchise) ON UPDATE RESTRICT ON DELETE RESTRICT**;

## 3.3 PODATKI

### 3.3.1 VNOS PODATKOV

1) Vnos podatkov v tabelo **Countries**.

| idCountry | name | acronym | description |
|---|---|---|---|
| 1 | Germany | GER | The country of Germany. |
| 2 | Japan | JAP | The country of Japan. |
| 3 | Slovenia | SLO | The country of Slovenia. |
| 4 | Italy | ITA | The country of Italy |
| 5 | America | USA | The United States of America. |
| 6 | Canada | CAN | CANADA!!! |

- **INSERT INTO** Countries (**name**, **acronym**, **description**)
  **VALUES** ('Germany', 'GER', 'The country of Germany.');

- **INSERT INTO** Countries (**name**, **acronym**, **description**)
  **VALUES** ('Japan', 'JAP', 'The country of Japan.');

- **INSERT INTO** Countries (**name**, **acronym**, **description**)
  **VALUES** ('Slovenia', 'SLO', 'The country of Slovenia.');

- **INSERT INTO** Countries (**name**, **acronym**, **description**)
  **VALUES** ('Italy', 'ITA', 'The country of Italy');

- **INSERT INTO** Countries (**name**, **acronym**, **description**)
  **VALUES** ('America', 'USA', 'The United States of America.');

- **INSERT INTO** Countries (**name**, **acronym**, **description**)
  **VALUES** ('Canada', 'CAN', 'CANADA!!!');

2) Vnos podatkov v tabelo **PostCode**

| idPostCode | idCountry | code | city |
|---|---|---|---|
| 1 | 2 | 0001 | Tokyo |
| 2 | 1 | 10115 | Berlin |
| 3 | 3 | 3320 | Velenje |
| 4 | 3 | 1000 | Ljubljana |
| 5 | 1 | 70173 | Stuttgart |
| 6 | 5 | 94112 | San Francisco |

- **INSERT INTO** PostCodes (**idCountry**, **code**, **city**)

**VALUES** ((**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'JAP'), '0001', 'Tokyo');

- **INSERT INTO** PostCodes (**idCountry**, **code**, **city**)

**VALUES** ((**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'GER'), '10115', 'Berlin');

- **INSERT INTO** PostCodes (**idCountry**, **code**, **city**)

**VALUES** ((**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'SLO'), '3320', 'Velenje');

- **INSERT INTO** PostCodes (**idCountry**, **code**, **city**)

**VALUES** ((**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'SLO'), '1000', 'Ljubljana');

- **INSERT INTO** PostCodes (**idCountry**, **code**, **city**)

**VALUES** ((**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'GER'), '70173', 'Stuttgart');

- **INSERT INTO** PostCodes (**idCountry**, **code**, **city**)

**VALUES** ((**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'USA'), '94112', 'San Francisco');

3) Vnos podatkov v tabelo **People.**

| idPerson | name | surname | idPostCode | gender | telephone | email |
|---|---|---|---|---|---|---|
| 1 | Domen | Stropnik | 3 | male | 064-233-020 | stropnik.domen@outlook.com |
| 2 | Hideo | Kojima | 1 | male | 231-481-991 | hideo.freakingkojima@yahoo.com |
| 3 | Kevin | Brown | 5 | male | 032-555-771 | kevin.brown@gmail.com |
| 4 | Ajta | Pavliè | 3 | female | 051-450-912 | ajta.pavlic@gmail.com |
| 5 | Ana | Javornik | 4 | female | 061-230-910 | ana.banana@gmail.com |
| 6 | Stanley | Kubrick | null | male | null | null |
| 7 | James | Cameron | null | male | null | null |
| 8 | Shelly | Duval | 6 | female | null | Shelly123@yahoo.com |
| 9 | Steven | Spielberg | null | male | null | Steven.Gielberg@outlook.com |
| 10 | Troy | Baker | null | male | 315-555-999 | null |

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('Domen', 'Stropnik', (**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '3320'), 'male', '064-233-020', 'stropnik.domen@outlook.com');

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('Hideo', 'Kojima', (**SELECT** **idPostCode** FROM PostCodes **WHERE** **code** = '0001'), 'male', '231-481-991', 'hideo.freakingkojima@yahoo.com');

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('Kevin', 'Brown', (**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '70173'), 'male', '032-555-771', 'kevin.brown@gmail.com');

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('Ajta', 'Pavliè', (**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '3320'), 'female', '051-450-912', 'ajta.pavlic@gmail.com');

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('Ana', 'Javornik', (**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '1000'), 'female', '061-230-910', 'ana.banana@gmail.com');

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('James', 'Cameron', **NULL**, 'male', **NULL**, **NULL**);

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('Brad', 'Pitt', (**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '94112'), 'male', **NULL**, **NULL**);

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('Shelly', 'Duval', (**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '94112'), 'female', **NULL**, 'Shelly123@yahoo.com');

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('Steven', 'Spielberg', **NULL**, 'male', **NULL**, 'Steven.Gielberg@outlook.com');

- **INSERT INTO** People (**name**, **surname**, **idPostCode**, **gender**, **telephone**, **email**) **VALUES** ('Troy', 'Baker', **NULL**, 'male', '315-555-999', **NULL**);

4) Vnos podatkov v tabelo **Franchises**.

| idFranchise | franchise | description |
|---|---|---|
| 1 | Friday the 13th | A horror franchise about a slasher killer named Jason. |
| 2 | The Avengers | A superhero movie featuring Marvels most famous heroes. |
| 3 | Batman | A superhero movie featuring the famous hero Batman. |
| 4 | Halloween | A horror franchise about a slasher killer named Michael Myers. |
| 5 | Terminator | An action sci-fi series about super killer robots! |
| 6 | Dragon Ball | An action anime series, that is crazy! |

- **INSERT INTO** Franchises (**franchise**, **description**)

**VALUES** ('Friday the 13th', 'A horror franchise about a slasher killer named Jason.');

- **INSERT INTO** Franchises (**franchise**, **description**)

**VALUES** ('The Avengers', 'A superhero movie featuring Marvels most famous heroes.');

- **INSERT INTO** Franchises (**franchise**, **description**)

**VALUES** ('Batman', 'A superhero movie featuring the famous hero Batman.');

- **INSERT INTO** Franchises (**franchise**, **description**)

**VALUES** ('Halloween', 'A horror franchise about a slasher killer named Michael Myers.');

- **INSERT INTO** Franchises (**franchise**, **description**)

**VALUES** ('Terminator', 'An action sci-fi series about super killer robots!');

- **INSERT INTO** Franchises (**franchise**, **description**)

**VALUES** ('Dragon Ball', 'An action anime series, that is crazy!');

5) Vnos podatkov v tabelo **Films**.

| idFilm | idFranchise | name | releaseDate | idCountry | language | budget | description |
|---|---|---|---|---|---|---|---|
| 1 | 5 | Terminator 2: Judgement Day | 01/07/1991 | 5 | English | 94000000 | The Sequel to James Cameron Sci-Fi epic The Terminator. |
| 2 | 6 | Dragon Ball Z: Battle of Gods | 30/03/2013 | 2 | Japanese | 20000000 | The 2013 movie of the Dragon Ball franchise. |
| 3 | null | The Sixth Sense | 06/08/1999 | 5 | English | 40000000 | The cultural hit the Sixth Sense. |
| 4 | 3 | The Dark Knight | 14/07/2008 | 5 | English | 1005000000 | The sequel to Batman Begins. |
| 5 | null | Isle of Dogs | 15/02/2018 | 1 | English | 64200000 | The german movie about doggos. |
| 6 | 2 | Avengers: Infinity War | 27/04/2018 | 5 | English | 400000000 | The 3rd movie in the Avengers Franchise. |
| 7 | null | The Shinning | 23/05/1980 | 5 | English | 19000000 | The cult classic horror movie based on the book. |
| 8 | 4 | Halloween (2018) | 19/10/2018 | 5 | English | 15000000 | The latest slasher in the Halloween series. |
| 9 | null | Pulp Fiction | 14/10/1994 | 5 | English | 8000000 | The classic masterpice that is Pulp Fiction |
| 10 | null | Funny Games | 14/05/1997 | 1 | German | 1000000.99 | The German horror flick. |

- **INSERT INTO** Films (**idFranchise**, **name**, **releaseDate**, **idCountry**, **language**, **budget**, **description**)

**VALUES** ((**SELECT** **idFranchise** **FROM** Franchises **WHERE** **franchise** = 'Terminator'), 'Terminator 2: Judgement Day', 'Jul-01-1991', (**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'USA'), 'English', 94000000.0, 'The Sequel to James Cameron Sci-Fi epic The Terminator.');

- **INSERT INTO** Films (**idFranchise**, **name**, **releaseDate**, **idCountry**, **language**, **budget**, **description**)

**VALUES** ((**SELECT** **idFranchise** **FROM** Franchises **WHERE** **franchise** = 'Dragon Ball'), 'Dragon Ball Z: Battle of Gods', 'Mar-30-2013', (**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'JAP'), 'Japanese', 20000000.0, 'The 2013 movie of the Dragon Ball franchise.');

- **INSERT INTO** Films (**idFranchise**, **name**, **releaseDate**, **idCountry**, **language**, **budget**, **description**)

**VALUES** (**NULL**, 'The Sixth Sense', 'Aug-06-1999', (**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'USA'), 'English', 40000000.0, 'The cultural hit the Sixth Sense.');

- **INSERT INTO** Films (**idFranchise**, **name**, **releaseDate**, **idCountry**, **language**, **budget**, **description**)

**VALUES** ((**SELECT** **idFranchise** **FROM** Franchises **WHERE** **franchise** = 'Batman'), 'The Dark Knight', 'Jul-14-2008', (SELECT **idCountry** **FROM** Countries **WHERE** **acronym** = 'USA'), 'English', 1005000000.0, 'The sequel to Batman Begins.');

- **INSERT INTO** Films (**idFranchise**, **name**, **releaseDate**, **idCountry**, **language**, **budget**, **description**)

**VALUES** (**NULL**, 'Isle of Dogs', 'Feb-15-2018', (**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'GER'), 'English', 64200000.0, 'The german movie about doggos.');

- **INSERT INTO** Films (**idFranchise**, **name**, **releaseDate**, **idCountry**, **language**, **budget**, **description**)

**VALUES** ((**SELECT** **idFranchise** **FROM** Franchises **WHERE** **franchise** = 'The Avengers'), 'Avengers: Infinity War', 'Apr-27-2018', (**SELECT** **idCountry** **FROM** Countries **WHERE** **acronym** = 'USA'), 'English', 400000000.0, 'The 3rd movie in the Avengers Franchise.');

- **INSERT INTO Films (idFranchise, name, releaseDate, idCountry, language, budget, description)**

**VALUES** (**NULL**, 'The Shinning', 'May-23-1980', (**SELECT idCountry FROM Countries WHERE acronym** = 'USA'), 'English', 19000000.0, 'The cult classic horror movie based on the book.');

- **INSERT INTO Films (idFranchise, name, releaseDate, idCountry, language, budget, description)**

**VALUES** ((**SELECT idFranchise FROM Franchises WHERE franchise** = 'Halloween'), 'Halloween (2018)', 'Oct-19-2018', (**SELECT idCountry FROM Countries WHERE acronym** = 'USA'), 'English', 15000000.0, 'The latest slasher in the Halloween series.');

- **INSERT INTO Films (idFranchise, name, releaseDate, idCountry, language, budget, description)**

**VALUES** (**NULL**, 'Pulp Fiction', 'Oct-14-1994', (**SELECT idCountry FROM Countries WHERE acronym** = 'USA'), 'English', 8000000.0, 'The classic masterpice that is Pulp Fiction');

- **INSERT INTO Films (idFranchise, name, releaseDate, idCountry, language, budget, description)**

**VALUES** (**NULL**, 'Funny Games', 'May-14-1997', (**SELECT idCountry FROM Countries WHERE acronym** = 'GER'), 'German', 1000000.99, 'The German horror flick.');

6) Vnos podatkov v tabelo **Category**.

| idCategory | name | description |
|---|---|---|
| 1 | Horror | A genre that is all about scaring. |
| 2 | Thriller | A genre all about suspense. |
| 3 | Comedy | A genre full of laughs. |
| 4 | Super Hero | A genre all about super heroes. |
| 5 | Sci-Fi | A genre all about advance technology. |
| 6 | Romance | A genre all about love. |
| 7 | Action | A genre all about action. |

- **INSERT INTO** Category (**name**, **description**)
  **VALUES** ('Horror', 'A genre that is all about scaring.');

- **INSERT INTO** Category (**name**, **description**)
  **VALUES** ('Thriller', 'A genre all about suspense.');

- **INSERT INTO** Category (**name**, **description**)
  **VALUES** ('Comedy', 'A genre full of laughs.');

- **INSERT INTO** Category (**name**, **description**) **VALUES**
  ('Super Hero', 'A genre all about super heroes.');

- **INSERT INTO** Category (**name**, **description**)
  **VALUES** ('Sci-Fi', 'A genre all about advance technology.');

- **INSERT INTO** Category (**name**, **description**)
  **VALUES** ('Romance', 'A genre all about love.');

- **INSERT INTO** Category (**name**, **description**)
  **VALUES** ('Action', 'A genre all about action.');

7) Vnos podatkov v tabelo **FilmsCategory**.

| idFilmCategory | idCategory | idFilm | description |
|---|---|---|---|
| 1 | 1 | 7 | The Shining is a movie well known within the horror genre. |
| 2 | 7 | 4 | The Dark Knight is an action movie with lots of action. |
| 3 | 4 | 4 | The Dark Knight is part of the Super Hero genre, since it features Batman. |
| 4 | 3 | 9 | Many do not consider this a comedy, but it is a very funny movie. |
| 5 | 1 | 8 | Halloween is horror series duh. |
| 6 | 2 | 9 | The suspense is real. |

- **INSERT INTO** FilmsCategory (**idCategory**, **idFilm**, **description**) **VALUES** ((**SELECT** **idCategory** **FROM** Category **WHERE** **name** = 'Horror'), (**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'The Shinning'), 'The Shining is a movie well known within the horror genre');

- **INSERT INTO** FilmsCategory (**idCategory**, **idFilm**, **description**) **VALUES** ((**SELECT** **idCategory** **FROM** Category **WHERE** **name** = 'Action'), (**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'The Dark Knight'), 'The Dark Knight is an action movie with lots of action.');

- **INSERT INTO** FilmsCategory (**idCategory**, **idFilm**, **description**) **VALUES** ((**SELECT** **idCategory** **FROM** Category **WHERE** **name** = 'Super Hero'), (**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'The Dark Knight'), 'The Dark Knight is part of the Super Hero genre, since it features Batman.');

- **INSERT INTO** FilmsCategory (**idCategory**, **idFilm**, **description**) **VALUES** ((**SELECT** **idCategory** **FROM** Category **WHERE** **name** = 'Comedy'), (**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Pulp Fiction'), 'Many do not consider this a comedy, but it is a very funny movie.');

- **INSERT INTO** FilmsCategory (**idCategory**, **idFilm**, **description**) **VALUES** ((**SELECT** **idCategory** **FROM** Category **WHERE** **name** = 'Horror'), (**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Halloween (2018)'), 'Halloween is horror series duh.');

- **INSERT INTO** FilmsCategory (**idCategory**, **idFilm**, **description**) **VALUES** ((**SELECT** **idCategory** **FROM** Category **WHERE** **name** = 'Thriller'), (**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Pulp Fiction'), 'The suspense is real.');

8) Vnos podatkov v tabelo **Reviews**.

| idReview | score | description | idPerson |
|---|---|---|---|
| 1 | 10 | A masterpice of horror! | 1 |
| 2 | 7 | It is decent! The Jumpscares were pretty cheap | 5 |
| 3 | 10 | This is one of THE BEST sequels ever to be made period! | 5 |
| 4 | 3 | Not enough black ppl. | 3 |
| 5 | 10 | Avenger UNITE!!! | 1 |

- **INSERT INTO** Reviews (**score**, **description**, **idPerson**)

**VALUES** (10, 'A masterpice of horror! The Shinning is a must watch movie for all!',
(**SELECT** **idPerson** **FROM** People **WHERE** **name** = 'Domen' **AND** **surname** = 'Stropnik'));

- **INSERT INTO** Reviews (**score**, **description**, **idPerson**)

**VALUES** (7, 'It is decent! The Jumpscares were pretty cheap',
(**SELECT** **idPerson** **FROM** People **WHERE** **name** = 'Ana' **AND** **surname** = 'Javornik'));

- **INSERT INTO** Reviews (**score**, **description**, **idPerson**)

**VALUES** (10, 'This is one of THE BEST sequels ever to be made period!',
(**SELECT** **idPerson** **FROM** People **WHERE** **name** = 'Ana' **AND** **surname** = 'Javornik'));

- **INSERT INTO** Reviews (**score**, **description**,

**idPerson**) **VALUES** (3, 'Not enough black ppl.',
(**SELECT** **idPerson** **FROM** People **WHERE** **name** = 'Kevin' **AND** **surname** = 'Brown'));

- **INSERT INTO** Reviews (**score**, **description**, **idPerson**)

**VALUES** (10, 'Avenger UNITE!!!',
(**SELECT** **idPerson** **FROM** People **WHERE** **name** = 'Domen' **AND** **surname** = 'Stropnik'));

9) Vnos podatkov tabelo **BusinessPartners**.

| idBusinessPartner | type | description |
|---|---|---|
| 1 | IGN | IGN is a well known media company that reviews games, anime and movies! |
| 2 | The eXile | A website that reviews varius topics. |
| 3 | Film.com | A well known site that criticizes films and gives out a review score. |
| 4 | Buzzfeed | It sucks xd. |

- **INSERT INTO** BusinessPartners (**type**, **description**)
**VALUES** ('IGN', 'IGN is a well known media company that reviews games, anime and movies!');

- **INSERT INTO** BusinessPartners (**type**, **description**)
**VALUES** ('The eXile', 'A website that reviews varius topics.');

- **INSERT INTO** BusinessPartners (**type**, **description**)
**VALUES** ('Film.com', 'A well known site that criticizes films and gives out a review score.');

- **INSERT INTO** BusinessPartners (**type**,
**description**) **VALUES** ('Buzzfeed', 'It sucks xd.');

10) Vnos podatkov v tabelo **FilmReviews**.

| idFilmReviews | idFilm | idBusinessPartne | idReview |
|---|---|---|---|
| 1 | 7 | 2 | 1 |
| 2 | 8 | 1 | 2 |
| 3 | 6 | 1 | 4 |
| 4 | 6 | 4 | 5 |
| 5 | 1 | 2 | 3 |

- **INSERT INTO** FilmReviews (**idFilm**, **idBusinessPartner**, **idReview**) **VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'The Shinning'), (**SELECT** **idBusinessPartner** **FROM** BusinessPartners **WHERE** **type** = 'The eXile'), (**SELECT** **idReview** **FROM** Reviews **WHERE** **description** = 'A masterpice of horror! The Shinning is a must watch movie for all!'));

- **INSERT INTO** FilmReviews (**idFilm**, **idBusinessPartner**, **idReview**) **VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Halloween (2018)'), (**SELECT** **idBusinessPartner** **FROM** BusinessPartners **WHERE** **type** = 'IGN'), (**SELECT** **idReview** **FROM** Reviews **WHERE** **description** = 'It is decent! The Jumpscares were pretty cheap'));

- **INSERT INTO** FilmReviews (**idFilm**, **idBusinessPartner**, **idReview**) **VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Avengers: Infinity War'), (**SELECT** **idBusinessPartner** FROM BusinessPartners WHERE type = 'IGN'), (**SELECT** **idReview** **FROM** Reviews **WHERE** **description** = 'Avenger UNITE!!!'));

- **INSERT INTO** FilmReviews (**idFilm**, **idBusinessPartner**, v) **VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Avengers: Infinity War'), (**SELECT** **idBusinessPartner** **FROM** BusinessPartners **WHERE** **type** = 'Buzzfeed'), (**SELECT** **idReview** **FROM** Reviews **WHERE** **description** = 'Not enough black ppl.'));

- **INSERT INTO** FilmReviews (**idFilm**, **idBusinessPartner**, **idReview**) **VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Terminator 2: Judgement Day'), (**SELECT** **idBusinessPartner** **FROM** BusinessPartners **WHERE** **type** = 'The eXile'), (**SELECT** **idReview** **FROM** Reviews **WHERE** **description** = 'This is one of THE BEST sequels ever to be made period!'));

11) Vnos podatkov v tabelo **Roles**.

| idRole | roleType | description |
|---|---|---|
| 1 | Director | The director is basically the leader of the movie project and overseas |
| 2 | Story writer | A writer that helped write out the store of the film. |
| 3 | Actor | An actor is a person that acts as a character within a film. |

- **INSERT INTO** Roles (**roleType**, **description**)

**VALUES** ('Director', 'The director is basically the leader of the movie project and overseas it.');

- **INSERT INTO** Roles (**roleType**, **description**)

**VALUES** ('Story writer', 'A writer that helped write out the store of the film.');

- **INSERT INTO** Roles (**roleType**, **description**)

**VALUES** ('Actor', 'An actor is a person that acts as a character within a film.');

12) Vnos podatkov v tabelo **CastAndProduction**.

| idCastAndProduct | idFilm | idPerson | idRole |
|---|---|---|---|
| 1 | 7 | 6 | 1 |
| 3 | 5 | 5 | 3 |
| 4 | 1 | 7 | 1 |

- **INSERT INTO** CastAndProduction (**idFilm**, **idPerson**, **idRole**)

**VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'The Shinning'), (**SELECT** **idPerson** **FROM** People **WHERE** **name** = 'Stanley' **AND** **surname** = 'Kubrick'), (**SELECT** **idRole** **FROM** Roles **WHERE** **roleType** = 'Director'));

- **INSERT INTO** CastAndProduction (**idFilm**, **idPerson**, **idRole**)

**VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Isle of Dogs'), (**SELECT** **idPerson** **FROM** People **WHERE** **name** = 'Ana' **AND** **surname** = 'Javornik'), (**SELECT** **idRole** **FROM** Roles **WHERE** **roleType** = 'Actor'));

- **INSERT INTO** CastAndProduction (**idFilm**, **idPerson**, **idRole**)

**VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Terminator 2: Judgement Day'), (**SELECT** **idPerson** **FROM** People **WHERE** **name** = 'James' **AND** **surname** = 'Cameron'), (**SELECT** **idRole** **FROM** Roles **WHERE** **roleType** = 'Director'));

13) Vnos podatkov v tabelo **ProductionCompany**.

| idProductionCompany | idPostCode | name | idParentCompany | description |
|---|---|---|---|---|
| 1 | 6 | WarnerMedia | null | Parent Company |
| 2 | 6 | WarnerBros | 1 | Child Company |
| 3 | 6 | Disney | null | Parent Company |
| 4 | 6 | PIXAR | 3 | Child Company |
| 5 | 1 | Shueisha | null | Parent Company |
| 6 | 1 | Toei Animation | 5 | Child Company |
| 7 | 3 | StroleInc | null | Solo Company |

- **INSERT INTO** ProducitonCompanies (**idPostCode**, **name**, **idParentCompany**, **description**)

**VALUES** ((**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '94112'), 'WarnerMedia', **NULL**, 'Parent Company');

- **INSERT INTO** ProducitonCompanies (**idPostCode**, **name**, **idParentCompany**, **description**)

**VALUES** ((**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '94112'), 'WarnerBros', (**SELECT** **idProductionCompany** **FROM** ProducitonCompanies **WHERE** **name** = 'WarnerMedia'), 'Child Company');

- **INSERT INTO** ProducitonCompanies (**idPostCode**, **name**, **idParentCompany**, **description**)

**VALUES** ((**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '94112'), 'Disney', **NULL**, 'Parent Company');

- **INSERT INTO** ProducitonCompanies (**idPostCode**, **name**, **idParentCompany**, **description**)

**VALUES** ((**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '94112'), 'PIXAR', (**SELECT** **idProductionCompany** **FROM** ProducitonCompanies **WHERE** **name** = 'Disney'), 'Child Company');

- **INSERT INTO** ProducitonCompanies (**idPostCode**, **name**, **idParentCompany**, **description**)

**VALUES** ((**SELECT** **idPostCode** **FROM** PostCodes **WHERE** **code** = '0001'), 'Shueisha', **NULL**, 'Parent Company');

- **INSERT INTO** ProducitonCompanies (**idPostCode**, **name**, **idParentCompany**, **description**)

**VALUES** ((**SELECT** **idPostCode** **FROM** PostCodes WHERE **code** = '0001'), 'Toei Animation', (**SELECT** **idProductionCompany** **FROM** ProducitonCompanies **WHERE** **name** = 'Shueisha'), 'Child Company');

- **INSERT INTO** ProducitonCompanies (**idPostCode**, **name**, **idParentCompany**, **description**)

**VALUES** ((SELECT **idPostCode** **FROM** PostCodes **WHERE** **code** = '3320'), 'StroleInc', **NULL**, 'Solo Company');

14) Vnos podatkov v tabelo **FilmCompany**

| idFilmCompany | idFilm | idProductionCompany |
|---|---|---|
| 1 | 2 | 6 |
| 2 | 6 | 3 |
| 3 | 5 | 3 |
| 5 | 1 | 1 |

- **INSERT INTO** FilmCompany (**idFilm**, **idProductionCompany**)
**VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Dragon Ball Z: Battle of Gods'), (**SELECT** **idProductionCompany** **FROM** ProducitonCompanies **WHERE** **name** = 'Toei Animation'));

- **INSERT INTO** FilmCompany (**idFilm**, **idProductionCompany**)
**VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Avengers: Infinity War'), (**SELECT** **idProductionCompany** **FROM** ProducitonCompanies **WHERE** **name** = 'Disney'));

- **INSERT INTO** FilmCompany (**idFilm**, **idProductionCompany**)
**VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Isle of Dogs'), (**SELECT** **idProductionCompany** **FROM** ProducitonCompanies **WHERE** **name** = 'Disney'));

- **INSERT INTO** FilmCompany (**idFilm**, **idProductionCompany**)
**VALUES** ((**SELECT** **idFilm** **FROM** Films **WHERE** **name** = 'Terminator 2: Judgement Day'), (**SELECT** **idProductionCompany** **FROM** ProducitonCompanies **WHERE** **name** = 'WarnerMedia'));

## 3.4 POIZVEDBE

### 3.4.1 IZPIS VSEH PODATKOV

```
SELECT * FROM People
```

| idPerson | name | surname | idPostCode | gender | telephone | email |
|---|---|---|---|---|---|---|
| 1 | Domen | Stropnik | 3 | male | 064-233-020 | stropnik.domen@outlook.com |
| 2 | Hideo | Kojima | 1 | male | 231-481-991 | hideo.freakingkojima@yahoo.com |
| 3 | Kevin | Brown | 5 | male | 032-555-771 | kevin.brown@gmail.com |
| 4 | Ajta | Pavliè | 3 | female | 051-450-912 | ajta.pavlic@gmail.com |
| 5 | Ana | Javornik | 4 | female | 061-230-910 | ana.banana@gmail.com |
| 6 | Stanley | Kubrick | null | male | null | null |
| 7 | James | Cameron | null | male | null | null |
| 8 | Shelly | Duval | 6 | female | null | Shelly123@yahoo.com |
| 9 | Steven | Spielberg | null | male | null | Steven.Gielberg@outlook.com |
| 10 | Troy | Baker | null | male | 315-555-999 | null |

### 3.4.2 UPORABA WHERE UKAZA 'WHERE'

```
SELECT *
        FROM People
   WHERE name = 'Domen';
```

| idPerson | name | surname | idPostCode | gender | telephone | email |
|---|---|---|---|---|---|---|
| 1 | Domen | Stropnik | 3 | male | 064-233-020 | stropnik.domen@outlook.com |

### 3.4.3 IZPIS PODATKOV BREZ NULL

```
SELECT *
        FROM Films
   WHERE idFranchise IS NOT NULL;
```

| idFilm | idFranchise | name | releaseDate | idCountry | language | budget | description |
|---|---|---|---|---|---|---|---|
| 1 | 5 | Terminator 2: Judgement Day | 01/07/1991 | 5 | English | 94000000 | The Sequel to James Cameron Sci-Fi epic The Terminator. |
| 2 | 6 | Dragon Ball Z: Battle of Gods | 30/03/2013 | 2 | Japanese | 20000000 | The 2013 movie of the Dragon Ball franchise. |
| 6 | 2 | Avengers: Infinity War | 27/04/2018 | 5 | English | 400000000 | The 3rd movie in the Avengers Franchise. |
| 4 | 3 | The Dark Knight | 14/07/2008 | 5 | English | 1005000000 | The sequel to Batman Begins. |
| 8 | 4 | Halloween (2018) | 19/10/2018 | 5 | English | 15000000 | The latest slasher in the Halloween series. |

### 3.4.4 IZPIS PODATKOV S UPORABU 'INNER JOINA'

```
SELECT c.name || ' ' || pc.code AS "Countries and PostCode"
        FROM Countries c INNER JOIN People pc USING (idCountry);
```

| Country and PostCode |
|---|
| Japan 0001 |
| Germany 10115 |
| Slovenia 3320 |
| Slovenia 1000 |
| Germany 70173 |
| America 94112 |

### 3.4.5 GROUP, HAVING IN ORDER BY.

```
SELECT Code, COUNT (idPerson) AS "Number of People"
        FROM PostCodes INNER JOIN People USING (idPostCodes)
        GROUP BY Code
        HAVING COUNT (idPostCode) > 1
        ORDER BY COUNT (idPostCode) DESC;
```

| code | Number of People |
|---|---|
| 3320 | 2 |

### 3.4.6 UPORABA UKAZA 'LIKE'

```
SELECT name, surname, gender, email
        FROM People
   WHERE (LOWER(name) LIKE '%a%')
        AND (UPPER(surname) LIKE 'J%');
```

| name | surname | gender | email |
|---|---|---|---|
| Ana | Javornik | female | ana.banana@gmail.com |

### 3.4.7 UPORABA UKAZA 'BETWEEN'

```
SELECT *
        FROM Films
        WHERE (budget BETWEEN '20000000' AND '900000000');
```

| idFilm | idFranchise | name | releaseDate | idCountry | language | budget | description |
|---|---|---|---|---|---|---|---|
| 1 | 5 | Terminator 2: Judgement Day | 01/07/1991 | 5 | English | 94000000 | The Sequel to James Cameron Sci-Fi epic The Terminator. |
| 2 | 6 | Dragon Ball Z: Battle of Gods | 30/03/2013 | 2 | Japanese | 20000000 | The 2013 movie of the Dragon Ball franchise. |
| 3 | null | The Sixth Sense | 06/08/1999 | 5 | English | 40000000 | The cultural hit the Sixth Sense. |
| 5 | null | Isle of Dogs | 15/02/2018 | 1 | English | 64200000 | The german movie about doggos. |
| 6 | 2 | Avengers: Infinity War | 27/04/2018 | 5 | English | 400000000 | The 3rd movie in the Avengers Franchise. |

### 3.4.8 UPORABA UKAZA 'IN'

```
SELECT email
        FROM People
   WHERE (city IN ('Javornik', 'Stropnik', 'Kojima'));
```

| email |
|---|
| stropnik.domen@outlook.com |
| hideo.freakingkojima@yahoo.com |
| ana.banana@gmail.com |

### 3.4.9 UPORABA UKAZA '!='

```
SELECT f.name
        FROM Films f INNER JOIN Countries c USING (idCountry)
    WHERE f.idCountry != (SELECT idCountry FROM Countries WHERE acronym
= 'USA');
```

| name |
| --- |
| Dragon Ball Z: Battle of Gods |
| Isle of Dogs |
| Funny Games |

### 3.4.10 UPORABA UKAZA 'DISTINCT'

```
SELECT DISTINCT (c.name), COUNT (pc.code)
        FROM Countries c INNER JOIN PostCodes pc USING (idCountry)
    GROUP BY c.name
    ORDER BY COUNT(pc.code) DESC;
```

| name | count |
| --- | --- |
| Germany | 2 |
| Slovenia | 2 |
| America | 1 |
| Japan | 1 |

## 3.5 SPREMEMBA PODATKOV

### 3.5.1 UPDATE: Posodobitev podatkov

**UPDATE** Countries **SET** **description** = 'Canada is a large country north of the USA'; **SELECT** **description** **FROM** Countries WHERE **acronym** = 'CAN';

| description |
| --- |
| Canada is a large country north of the USA |

Uspešno smo posodobili Canado.

### 3.5.2 DELETE: Odstranitev podatkov

**DELETE FROM** Franchises **WHERE** **franchise** = 'Friday the 13th'; **SELECT** **franchise** **FROM** Franchises**;**

| franchise |
| --- |
| The Avengers |
| Batman |
| Halloween |
| Terminator |
| Dragon Ball |

Uspešno smo izbrisali 'Friday the 13th'.

### 3.5.3 ALTER TABLE: Novi atribut

```
ALTER TABLE People
        ADD DateOfBirth DATE;

SELECT DateOfBirth FROM People;
```

| dateofbirth |
|---|
| null |
| null |
| null |
| null |
| null |
| null |
| null |
| null |
| null |
| null |

Uspešno smo dodali nov atribut 'DateOfBirth'.

# 4. ZAKLJUČEK

Sporočilo sem uspešno zaključil in podrobno opisal zgradbo baze.
Zahvaljuem se predavatelju g. Srečko Zormanu za pomoč.

**Domen Stropnik, 2018**