/\*

Created: 2020-09-22

Modified: 2020-10-30

Model: PostgreSQL 12

Database: PostgreSQL 12

\*/

-- Create tables section -------------------------------------------------

-- Table Movie

CREATE TABLE "Movie"

(

"MovieID" Bigint NOT NULL,

"Title" Character varying,

"ReleaseDate" Date,

"Rating" Real,

"Budget" Bigint,

"Gross" Bigint,

"Duration" Integer

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Movie" ADD CONSTRAINT "PK\_Movie" PRIMARY KEY ("MovieID")

;

-- Table Actor

CREATE TABLE "Actor"

(

"ActorID" Bigint NOT NULL,

"LocationBirthID" Bigint NOT NULL,

"University" Bigint,

"FirstName" Character varying NOT NULL,

"LastName" Character varying NOT NULL,

"DateOfBirth" Date NOT NULL,

"EyeColour" Character varying

)

WITH (

autovacuum\_enabled=true)

;

CREATE INDEX "IX\_Relationship14" ON "Actor" ("LocationBirthID")

;

CREATE INDEX "IX\_Relationship34" ON "Actor" ("University")

;

ALTER TABLE "Actor" ADD CONSTRAINT "PK\_Actor" PRIMARY KEY ("ActorID")

;

-- Table ActsIn

CREATE TABLE "ActsIn"

(

"MovieID" Bigint NOT NULL,

"ActorID" Bigint NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "ActsIn" ADD CONSTRAINT "PK\_ActsIn" PRIMARY KEY ("ActorID","MovieID")

;

-- Table Director

CREATE TABLE "Director"

(

"DirectorID" Bigint NOT NULL,

"LocationBirthID" Bigint NOT NULL,

"University" Bigint,

"FirstName" Character varying NOT NULL,

"LastName" Character varying NOT NULL,

"YearOfBirth" Integer NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

CREATE INDEX "IX\_Relationship15" ON "Director" ("LocationBirthID")

;

CREATE INDEX "IX\_Relationship35" ON "Director" ("University")

;

ALTER TABLE "Director" ADD CONSTRAINT "PK\_Director" PRIMARY KEY ("DirectorID")

;

-- Table Location

CREATE TABLE "Location"

(

"LocationID" Bigint NOT NULL,

"City" Character varying NOT NULL,

"State" Character varying NOT NULL,

"Country" Character varying NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Location" ADD CONSTRAINT "PK\_Location" PRIMARY KEY ("LocationID")

;

-- Table University

CREATE TABLE "University"

(

"Name" Character varying NOT NULL,

"flag" Boolean NOT NULL,

"Colour" Character varying NOT NULL,

"NumStudents" Bigint NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "University" ADD CONSTRAINT "PK\_University" PRIMARY KEY ("Name")

;

-- Table University1

CREATE TABLE "University1"

(

"UniversityID" Bigint NOT NULL,

"Name" Bigint,

"Department" Bigint

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "University1" ADD CONSTRAINT "PK\_University1" PRIMARY KEY ("UniversityID")

;

-- Table Type

CREATE TABLE "Type"

(

"Genre" Character varying NOT NULL,

"Description" Character varying NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Type" ADD CONSTRAINT "PK\_Type" PRIMARY KEY ("Genre")

;

-- Table UniDepartment

CREATE TABLE "UniDepartment"

(

"DepartmentID" Bigint NOT NULL,

"University" Character varying,

"Name" Character varying NOT NULL,

"NumStudents" Bigint NOT NULL,

"Description" Character varying

)

WITH (

autovacuum\_enabled=true)

;

CREATE INDEX "IX\_Relationship28" ON "UniDepartment" ("University")

;

ALTER TABLE "UniDepartment" ADD CONSTRAINT "PK\_UniDepartment" PRIMARY KEY ("DepartmentID")

;

-- Table Genres

CREATE TABLE "Genres"

(

"Genre" Character varying NOT NULL,

"MovieID" Bigint NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Genres" ADD CONSTRAINT "PK\_Genres" PRIMARY KEY ("Genre","MovieID")

;

-- Table Ticket

CREATE TABLE "Ticket"

(

"TicketID" Bigint NOT NULL,

"LocationID" Bigint NOT NULL,

"CinemaName" Character varying NOT NULL,

"Price" Real NOT NULL,

"Type" Character varying NOT NULL,

"Date" Date NOT NULL,

"Time" Time NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Ticket" ADD CONSTRAINT "PK\_Ticket" PRIMARY KEY ("LocationID","TicketID")

;

-- Table DirectorsIn

CREATE TABLE "DirectorsIn"

(

"MovieID" Bigint NOT NULL,

"DirectorID" Bigint NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "DirectorsIn" ADD CONSTRAINT "PK\_DirectorsIn" PRIMARY KEY ("MovieID","DirectorID")

;

-- Table TicketsForMovie

CREATE TABLE "TicketsForMovie"

(

"LocationID" Bigint NOT NULL,

"MovieID" Bigint NOT NULL,

"TicketID" Bigint NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "TicketsForMovie" ADD CONSTRAINT "PK\_TicketsForMovie" PRIMARY KEY ("LocationID","MovieID","TicketID")

;

-- Table Quote

CREATE TABLE "Quote"

(

"QuoteID" Bigint NOT NULL,

"MovieID" Bigint NOT NULL,

"Text" Character varying NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Quote" ADD CONSTRAINT "PK\_Quote" PRIMARY KEY ("QuoteID","MovieID")

;

-- Table Award

CREATE TABLE "Award"

(

"AwardID" Bigint NOT NULL,

"Association" Character varying NOT NULL,

"Category" Character varying NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Award" ADD CONSTRAINT "PK\_Award" PRIMARY KEY ("AwardID")

;

-- Table Awards

CREATE TABLE "Awards"

(

"AwardID" Bigint NOT NULL,

"MovieID" Bigint NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Awards" ADD CONSTRAINT "PK\_Awards" PRIMARY KEY ("AwardID","MovieID")

;

-- Table Festival

CREATE TABLE "Festival"

(

"FestivalID" Bigint NOT NULL,

"Name" Character varying NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Festival" ADD CONSTRAINT "PK\_Festival" PRIMARY KEY ("FestivalID")

;

-- Table Festivals

CREATE TABLE "Festivals"

(

"MovieID" Bigint NOT NULL,

"FestivalD" Bigint NOT NULL

)

WITH (

autovacuum\_enabled=true)

;

ALTER TABLE "Festivals" ADD CONSTRAINT "PK\_Festivals" PRIMARY KEY ("MovieID","FestivalD")

;

-- Create foreign keys (relationships) section -------------------------------------------------

ALTER TABLE "Actor"

ADD CONSTRAINT "Relationship14"

FOREIGN KEY ("LocationBirthID")

REFERENCES "Location" ("LocationID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Director"

ADD CONSTRAINT "Relationship15"

FOREIGN KEY ("LocationBirthID")

REFERENCES "Location" ("LocationID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "ActsIn"

ADD CONSTRAINT "Relationship22"

FOREIGN KEY ("ActorID")

REFERENCES "Actor" ("ActorID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "ActsIn"

ADD CONSTRAINT "Relationship23"

FOREIGN KEY ("MovieID")

REFERENCES "Movie" ("MovieID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "UniDepartment"

ADD CONSTRAINT "Relationship28"

FOREIGN KEY ("University")

REFERENCES "University" ("Name")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Genres"

ADD CONSTRAINT "Relationship31"

FOREIGN KEY ("Genre")

REFERENCES "Type" ("Genre")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Genres"

ADD CONSTRAINT "Relationship32"

FOREIGN KEY ("MovieID")

REFERENCES "Movie" ("MovieID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Actor"

ADD CONSTRAINT "Relationship34"

FOREIGN KEY ("University")

REFERENCES "UniDepartment" ("DepartmentID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Director"

ADD CONSTRAINT "Relationship35"

FOREIGN KEY ("University")

REFERENCES "UniDepartment" ("DepartmentID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "DirectorsIn"

ADD CONSTRAINT "Relationship36"

FOREIGN KEY ("MovieID")

REFERENCES "Movie" ("MovieID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "DirectorsIn"

ADD CONSTRAINT "Relationship37"

FOREIGN KEY ("DirectorID")

REFERENCES "Director" ("DirectorID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Ticket"

ADD CONSTRAINT "Relationship38"

FOREIGN KEY ("LocationID")

REFERENCES "Location" ("LocationID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "TicketsForMovie"

ADD CONSTRAINT "Relationship39"

FOREIGN KEY ("LocationID", "TicketID")

REFERENCES "Ticket" ("LocationID", "TicketID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "TicketsForMovie"

ADD CONSTRAINT "Relationship40"

FOREIGN KEY ("MovieID")

REFERENCES "Movie" ("MovieID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Quote"

ADD CONSTRAINT "Relationship42"

FOREIGN KEY ("MovieID")

REFERENCES "Movie" ("MovieID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Awards"

ADD CONSTRAINT "Relationship43"

FOREIGN KEY ("AwardID")

REFERENCES "Award" ("AwardID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Awards"

ADD CONSTRAINT "Relationship44"

FOREIGN KEY ("MovieID")

REFERENCES "Movie" ("MovieID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Festivals"

ADD CONSTRAINT "Relationship47"

FOREIGN KEY ("MovieID")

REFERENCES "Movie" ("MovieID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;

ALTER TABLE "Festivals"

ADD CONSTRAINT "Relationship48"

FOREIGN KEY ("FestivalD")

REFERENCES "Festival" ("FestivalID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;