

```
/*
```

```
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,  
    "FestivalID" Bigint NOT NULL  
)  
WITH (  
    autovacuum_enabled=true)  
;
```

```
ALTER TABLE "Festivals" ADD CONSTRAINT "PK_Festivals" PRIMARY KEY ("MovieID","FestivalID")  
;
```

```
-- 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 ("FestivalID")

REFERENCES "Festival" ("FestivalID")

ON DELETE NO ACTION

ON UPDATE NO ACTION

;