

SQL

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\c template1;
DROP DATABASE epic;
CREATE DATABASE epic;
\c epic;
BEGIN TRANSACTION;
CREATE TABLE Studio
(
    Name                VARCHAR(64)    NOT NULL,
    StartYear           DATE,
    EndYear             DATE,
    Country             VARCHAR(32),
    City               VARCHAR(32),
    CompanyName        VARCHAR(64),
    Successor          VARCHAR(64),
    Predecessor        VARCHAR(64),
    PRIMARY KEY (Name),
    FOREIGN KEY (Successor) REFERENCES Studio(Name),
    FOREIGN KEY (Predecessor) REFERENCES Studio(Name)
);

CREATE TABLE Movie
(
    ID                  INT            NOT NULL,
    TypeLocation       VARCHAR(32),
    Title              VARCHAR(256)   NOT NULL,
    FinishedDate       DATE,
    ReleasedDate       DATE,
    ReReleasedDate     DATE,
    Rating             VARCHAR(8),
    Cost               INT,
    Income             INT,
    Length            INT,
    Distributor        VARCHAR(64),
    Producer           VARCHAR(64),
    BookSource         VARCHAR(128),
    PRIMARY KEY (ID),
    FOREIGN KEY (Distributor) REFERENCES Studio(Name),
    FOREIGN KEY (Producer) REFERENCES Studio(Name)
);

CREATE TABLE MovieRemake
(
    SourceID           INT            NOT NULL,
    RemakeID           INT            NOT NULL,
    Fraction           INT            NOT NULL,
    PRIMARY KEY (SourceID, RemakeID),
    FOREIGN KEY (SourceID) REFERENCES Movie(ID),
    FOREIGN KEY (RemakeID) REFERENCES Movie(ID)
);

CREATE TABLE MovieLocation
(
    ID                 INT            NOT NULL,
    Location           VARCHAR(64)   NOT NULL,
    Filmed            BOOLEAN,

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PRIMARY KEY (ID, Location),  
FOREIGN KEY (ID) REFERENCES Movie(ID)  
);
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CREATE TABLE MoviePeriod
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(  
    ID                INT                NOT NULL,  
    Period            DATE              NOT NULL,  
PRIMARY KEY (ID, Period),  
FOREIGN KEY (ID) REFERENCES Movie(ID)  
);
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CREATE TABLE MovieLanguage
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(  
    ID                INT                NOT NULL,  
    Language          VARCHAR(32)       NOT NULL,  
PRIMARY KEY (ID, Language),  
FOREIGN KEY (ID) REFERENCES Movie(ID)  
);
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CREATE TABLE ColorProcess
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(  
    ID                INT                NOT NULL,  
    ColorProcess      VARCHAR(32)       NOT NULL,  
PRIMARY KEY (ID, ColorProcess),  
FOREIGN KEY (ID) REFERENCES Movie(ID)  
);
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CREATE TABLE AlternateMovieTitles
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(  
    ID                INT                NOT NULL,  
    AltTitle          VARCHAR(256)      NOT NULL,  
PRIMARY KEY (ID, AltTitle),  
FOREIGN KEY (ID) REFERENCES Movie(ID)  
);
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CREATE TABLE MovieCategory
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(  
    ID                INT                NOT NULL,  
    Category          VARCHAR(32)       NOT NULL,  
PRIMARY KEY (ID, Category),  
FOREIGN KEY (ID) REFERENCES Movie(ID)  
);
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CREATE TABLE MovieSeries
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(  
    ID                INT                NOT NULL,  
    Name              VARCHAR(64)       NOT NULL,  
    Number            INT,  
    NumMovies         INT,  
PRIMARY KEY (ID, Name),  
FOREIGN KEY (ID) REFERENCES Movie(ID)  
);
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CREATE TABLE Person
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(  
    ID                INT                NOT NULL,  
    FirstName         VARCHAR(64),
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LastName          VARCHAR(64),
Alias             VARCHAR(64),
DOB              DATE,
DOD              DATE,
Nationality      VARCHAR(32),
Country          VARCHAR(32),
Gender           CHAR(1),
DirectorStart    DATE,
DirectorFinish   DATE,
ActorStart       DATE,
ActorFinish      DATE,
StageName        VARCHAR(32),
RoleType         VARCHAR(128),
PRIMARY KEY (ID)
);

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CREATE TABLE SideJob
(
    ID          INT          NOT NULL,
    Job         VARCHAR(32)  NOT NULL,
PRIMARY KEY (ID, Job),
FOREIGN KEY (ID) REFERENCES Person(ID)
);

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CREATE TABLE InterPersonalRelationships
(
    Person      INT          NOT NULL,
    Participant VARCHAR(64)  NOT NULL,
    Type        VARCHAR(32)  NOT NULL,
PRIMARY KEY (Person, Participant, Type),
FOREIGN KEY (Person) REFERENCES Person(ID)
);

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CREATE TABLE Role
(
    Role        VARCHAR(32)  NOT NULL,
PRIMARY KEY (Role)
);

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CREATE TABLE Participates
(
    Person      INT          NOT NULL,
    Movie       INT          NOT NULL,
    Role        VARCHAR(32)  NOT NULL,
PRIMARY KEY (Person, Movie, Role),
FOREIGN KEY (Person) REFERENCES Person(ID),
FOREIGN KEY (Movie) REFERENCES Movie(ID),
FOREIGN KEY (Role) REFERENCES Role(Role)
);

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CREATE TABLE ActsIn
(
    Actor       INT,
    Movie       INT          NOT NULL,
    Role        VARCHAR(32),
    RoleNumber  INT          NOT NULL,
    Part        VARCHAR(64),
    Type        VARCHAR(64),
);

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    RealWorldCharacter    VARCHAR(32),
    RoleDescription      VARCHAR(128),
PRIMARY KEY (Movie, RoleNumber),
FOREIGN KEY (Actor) REFERENCES Person(ID),
FOREIGN KEY (Movie) REFERENCES Movie(ID),
FOREIGN KEY (Role) REFERENCES Role(Role)
);

CREATE TABLE WorksForStudio
(
    StudioName            VARCHAR(64)    NOT NULL,
    Person                INT           NOT NULL,
    Relationship          VARCHAR(32),
    YearStarted           DATE,
PRIMARY KEY (StudioName, Person),
FOREIGN KEY (StudioName) REFERENCES Studio(Name),
FOREIGN KEY (Person) REFERENCES Person(ID)
);

CREATE TABLE AwardOrganization
(
    OrganizationName      VARCHAR(64)    NOT NULL,
    ColloquialName       VARCHAR(64)    NOT NULL,
    Country               VARCHAR(32),
    Yearly                 BOOLEAN,
    Started               DATE,
PRIMARY KEY (OrganizationName, ColloquialName)
);

CREATE TABLE AwardForMovie
(
    Organization          VARCHAR(64)    NOT NULL,
    ColloquialName       VARCHAR(64)    NOT NULL,
    Movie                INT           NOT NULL,
    Reason               VARCHAR(32),
    YearGiven             DATE,
PRIMARY KEY (Organization, ColloquialName, Movie),
FOREIGN KEY (Organization, ColloquialName) REFERENCES
AwardOrganization(OrganizationName, ColloquialName),
FOREIGN KEY (Movie) REFERENCES Movie(ID)
);

CREATE TABLE AwardToPerson
(
    Organization          VARCHAR(64)    NOT NULL,
    ColloquialName       VARCHAR(64)    NOT NULL,
    Movie                INT           NOT NULL,
    Person               INT           NOT NULL,
    Role                 VARCHAR(32)    NOT NULL,
    Reason               VARCHAR(32),
    YearGiven             DATE,
PRIMARY KEY (Organization, ColloquialName, Movie, Person, Role),
FOREIGN KEY (Organization, ColloquialName) REFERENCES
AwardOrganization(OrganizationName, ColloquialName),
FOREIGN KEY (Movie) REFERENCES Movie(ID),
FOREIGN KEY (Person) REFERENCES Person(ID),
FOREIGN KEY (Role) REFERENCES Role(Role)
);

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CREATE TABLE AwardForPerson
(
    Organization          VARCHAR(64)      NOT NULL,
    ColloquialName       VARCHAR(64)      NOT NULL,
    Person                INT              NOT NULL,
    Reason                VARCHAR(32),
    YearGiven              DATE,
    PRIMARY KEY (Organization, ColloquialName, Person),
    FOREIGN KEY (Organization, ColloquialName) REFERENCES
AwardOrganization(OrganizationName, ColloquialName),
    FOREIGN KEY (Person) REFERENCES Person(ID)
);

COMMIT;

BEGIN TRANSACTION;

INSERT INTO Role VALUES ('Director');
INSERT INTO Role VALUES ('Actor');
INSERT INTO Role VALUES ('Producer');
INSERT INTO Role VALUES ('Writer');
INSERT INTO Role VALUES ('Author');
INSERT INTO Role VALUES ('Cinematographer');
INSERT INTO Role VALUES ('Composer');
INSERT INTO Role VALUES ('Visuals');
INSERT INTO Role VALUES ('Editor');

INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly)
VALUES ('Hollywood Academy of Motion Picture Arts and Sciences', 'Oscar', 'USA',
'True');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly)
VALUES ('Hollywood Academy of Motion Picture Arts and Sciences', 'Oscar Nomination',
'USA', 'True');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('American Film Institute', 'Best Movies Poll', 'USA', 'False',
'01-01-1977');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly)
VALUES ('American Film Institute', '', 'USA', 'True');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('Berlinale', 'Baer', 'Germany', 'True', '01-01-1951');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly)
VALUES ('British Film Academy', 'Stella', 'Great Britain', 'True');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Started)
VALUES ('Siena Research Institute', '', 'USA', '01-01-1987');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName) VALUES
('Heartland Film Festival', 'Crystal Heart');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('Delluc', 'Delluc', 'France');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('TV Academy', 'Emmy', 'USA');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('Entertainment Weekly', '', 'USA');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Started) VALUES
('European Film Festival', 'Felix', '01-01-1988');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('Canadian Academy', 'Genie', 'Canada');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('Halliwells Film Guide', 'Four Stars', 'Great Britain', 'True',
'01-01-1983');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
started) VALUES ('Halliwells Film Guide', 'Three Stars', 'Great Britain', 'True',

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'01-01-1983');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('Halliwells Film Guide', 'Two Stars', 'Great Britain', 'True',
'01-01-1983');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('Halliwells Film Guide', 'One Star', 'Great Britain', 'True',
'01-01-1983');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('Halliwells Film Guide', 'Cited', 'Great Britain', 'True',
'01-01-1983');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('Academy', 'Humanitarian', 'USA', 'True', '01-01-1951');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('John Eastman: 500 Retakes', '', 'USA', 'False', '01-01-1985');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('American Film Institute', 'Life Achievement Award', 'USA');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('Museum of Modern Art', 'Film Festival', 'USA');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('National Board of Reviews', '', 'USA');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('National Film Registry', 'Library of Congress', 'USA', 'True',
'01-01-1992');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('New York Film Critics Circle', '', 'USA');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly,
Started) VALUES ('National Society of Film Critics', '', 'USA', 'True',
'01-01-1965');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Yearly, Started)
VALUES ('Cinema Trade Benevolent Organization', 'Royal Film Performance', 'True',
'01-01-1946');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly)
VALUES ('Cannes Film Festival', 'Golden Palm', 'France', 'True');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('San Francisco International Film Festival', '', 'USA');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country, Yearly)
VALUES ('Hollywood Academy of Motion Picture Arts and Sciences', 'Thalberg Memorial
Award', 'USA', 'True');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('Tony', 'Tony', 'USA');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('Time Magazine', 'Movies of the Decade', 'USA');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('Venice Film Festival', '', 'Italy');
INSERT INTO AwardOrganization (OrganizationName, ColloquialName, Country) VALUES
('Western Association of Motion Picture Advertisers', 'Wampas', 'USA');

COMMIT;
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