

Курсов проект

Театър

Задача	Фак.№
1. Създаване на схемите и релациите	
2. Добавяне на съдържание	
3. Примерни прости заявки и заявки върху две и повече релации	
4. Примери с подзаявки	
5. Примери със съединения	
6. Примери с групиране и агрегация	
7. Примери с ограничения	
8. Примери с изгледи и индекси	
9. Примери с тригери	
10. Подготовка на презентацията	

Ние решихме да изградим информационна система (база данни) за театрите в България. Целта ни е да улесним максимално потребителите за намирането на необходимата им информация за представления, театри в различните градове, цена на билетите за представленията, участващи актьори и други. Ето защо ние включихме в нея всичко най-необходимо за всеки театър чрез таблиците Театри (Theaters), Зали (Halls), Градове (Cities), График (Schedule), Актьори (Actors), Участващи звезди (StarsIn), Представления (Performances), Билети (Tickets) и Посещаемост (Attendences). Ключът за таблица Театри е името на театъра, тъй като в България няма два театъра с едно и също име. Други негови атрибути са адрес, година на откриване, град, регион(област), телефонен номер и адрес.

Таблица Зали има атрибут име, който не определя еднозначно залата, защото в страната може да има няколко зали с едно и също име. Ето защо тук имаме наследен ключ името на театъра, така вече залата е еднозначно определена от името на театъра и името на залата. Тя пази основната информация за една зала капацитет.

Таблица Градове е еднозначно определена от атрибутите град и област. Те са уникални за цялата страна.

Таблица Актьори съдържа имената на даден актьор, неговия рожден ден, пол, роден град и страна. Тук ключ е името на актьора, защото дори и да има двама актьори с едно и също рождено име, те не използват него в сферата си на работа, за това добавят нещо към него или го съкращават по някакъв начин. Ето защо приемаме, че името еднозначно определя актьора.

В таблица Участващи звезди имаме атрибути име на постановката, дата на премиера на постановката и име на актьор. Трите атрибута заедно определят ключа на тази таблица.

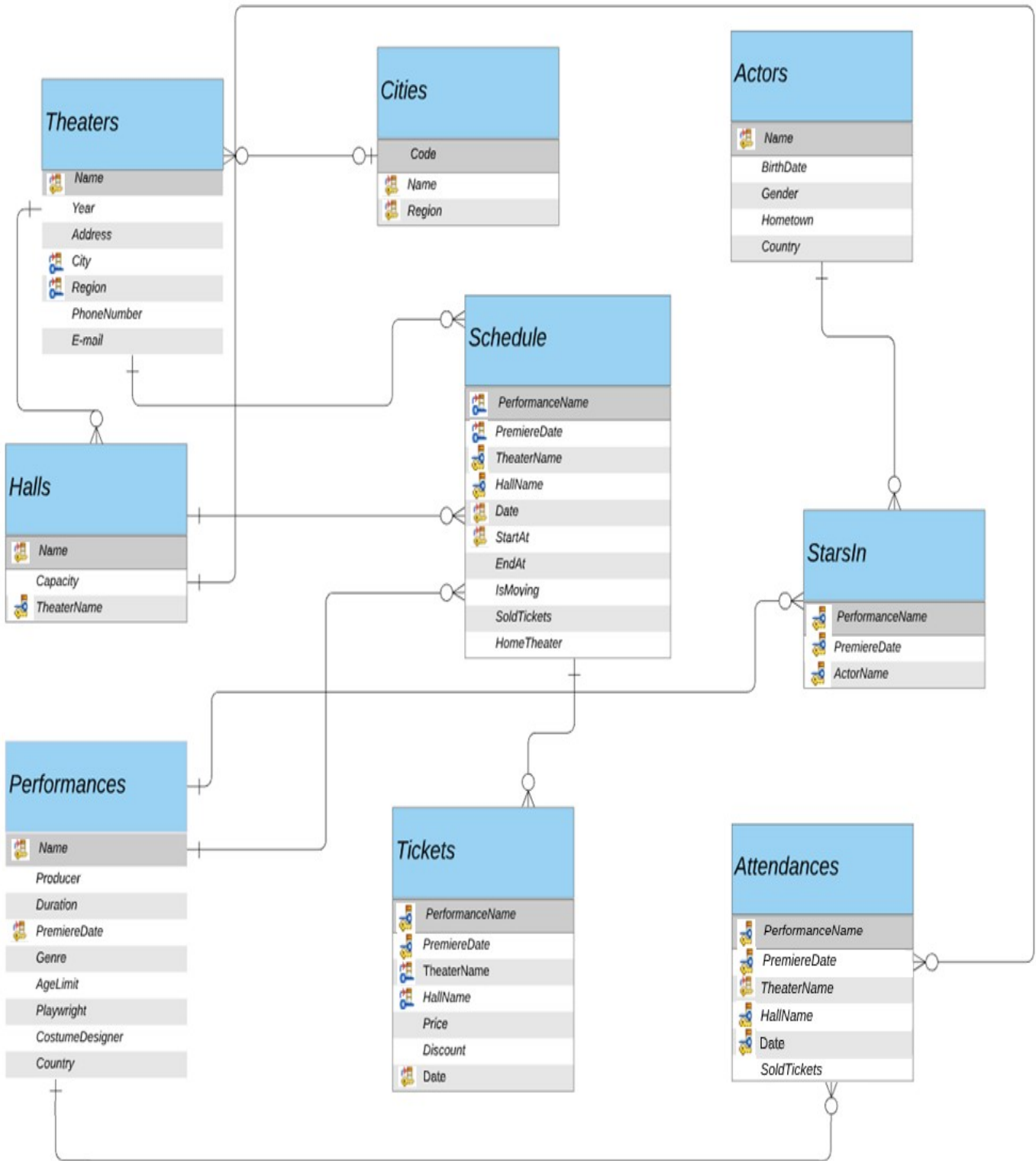
В таблица График имаме атрибутите име на постановка, дата на премиера, име на театър, име на зала, дата, начален час, краен час, дали е гостуваща постановка и името на гостуващия театър. Ключ тук е име на постановка и дата на премиера, защото може някоя постановка да се поставя през различните години.

В таблица Постановки атрибути са име, режисьор, продължителност, дата на премиера, жанр, възрастова граница, сценарист, дизайнер на костюми и държава. Ключът тук отново са име на постановка и дата на премиера.

Таблица Билети съдържа атрибутите име на постановка, дата на премиера, име на театър, име на зала, цена, намаление и дата. Тази таблица еднозначно е определена от име на театър, име на зала, дата и име на пиеса.

Атрибутите на таблица Посещаемост са име на постановка, дата на премиера, име на театър, име на зала, дата и продадени билети. Ключът тук ще се формира от име на постановка, дата на премиера, име на театър, име на зала и дата. Схемата на релациите е:

Theater Database Diagram



Добавяне на примерно съдържание:

```
USE master
GO
if exists (select * from sysdatabases where name ='theater')
DROP DATABASE theater
GO

CREATE DATABASE theater
GO
USE theater
GO
CREATE TABLE Cities(
Code INT NOT NULL UNIQUE CHECK(Code >= 1000), CHECK(Code <= 9999),
Name VARCHAR(20) NOT NULL,
Region VARCHAR(20) NOT NULL
);
CREATE TABLE Theaters(
Name VARCHAR(100) UNIQUE NOT NULL,
Year INT NOT NULL CHECK (Year > 0),
Address VARCHAR(100),
City VARCHAR(20) NOT NULL,
Region VARCHAR(20) NOT NULL,
PhoneNumber VARCHAR(64) UNIQUE,
Email VARCHAR(64) UNIQUE
);
CREATE TABLE Halls(
Name VARCHAR(255) NOT NULL,
Capacity INT NOT NULL CHECK (Capacity > 0),
TheaterName VARCHAR(100) NOT NULL
);
CREATE TABLE Actors(
Name VARCHAR(100) UNIQUE NOT NULL,
BirthDate DATE,
Gender CHAR(1) NOT NULL,
HomeTown VARCHAR(20) NOT NULL,
Country VARCHAR(50) NOT NULL
);
CREATE TABLE Performances(
Name VARCHAR(255) NOT NULL,
Producer VARCHAR(100) NOT NULL,
Duration INT NOT NULL, CHECK(Duration > 0),
PremiereDate DATE NOT NULL,
```

```
Genre VARCHAR(20),
AgeLimit INT,
Playwright VARCHAR(100),
CostumeDesigner VARCHAR(100),
Country VARCHAR(50)
);
CREATE TABLE StarsIn(
PerformanceName VARCHAR(255) NOT NULL,
PremiereDate DATE NOT NULL,
ActorName VARCHAR(100) NOT NULL,
);
CREATE TABLE Schedule(
PerformanceName VARCHAR(255) NOT NULL,
PremiereDate DATE NOT NULL,
TheaterName VARCHAR(100) NOT NULL,
HallName VARCHAR(255) NOT NULL,
Date DATE NOT NULL,
StartAt CHAR(5) NOT NULL,
EndAt CHAR(5) NOT NULL,
IsMoving VARCHAR(3) DEFAULT 'NO',
SoldTickets VARCHAR(3) DEFAULT 'NO',
HomeTheater VARCHAR(100)
);
CREATE TABLE Attendances(
PerformanceName VARCHAR(255) NOT NULL,
PremiereDate DATE NOT NULL,
TheaterName VARCHAR(100) NOT NULL,
HallName VARCHAR(255) NOT NULL,
Date DATE NOT NULL,
SoldTickets INT CHECK (SoldTickets >= 0)
);
CREATE TABLE Tickets(
PerformanceName VARCHAR(255) NOT NULL,
PremiereDate DATE NOT NULL,
TheaterName VARCHAR(100) NOT NULL,
HallName VARCHAR(255) NOT NULL,
Price FLOAT CHECK(PRICE >= 0) NOT NULL,
Discount FLOAT CHECK(Discount BETWEEN 0 AND 100),
Date DATE NOT NULL
);
```

```

ALTER TABLE Cities ADD CONSTRAINT PK_Cities PRIMARY KEY(Name, Region);
ALTER TABLE Theaters ADD CONSTRAINT PK_Theaters PRIMARY KEY(Name);
ALTER TABLE Theaters ADD CONSTRAINT FK_Theaters FOREIGN KEY(City, Region)
REFERENCES Cities(Name, Region);
ALTER TABLE Halls ADD CONSTRAINT PK_Halls PRIMARY KEY(Name, TheaterName);
ALTER TABLE Halls ADD CONSTRAINT FK_Halls FOREIGN KEY(TheaterName) REFERENCES
Theaters(Name);
ALTER TABLE Actors ADD CONSTRAINT PK_Actors PRIMARY KEY(Name);
ALTER TABLE Performances ADD CONSTRAINT PK_Performances PRIMARY KEY(Name,
PremiereDate);
ALTER TABLE StarsIn ADD CONSTRAINT PK_StarsIn PRIMARY KEY(PerformanceName,
PremiereDate, ActorName);
ALTER TABLE StarsIn ADD CONSTRAINT FK_StarsIn_One FOREIGN KEY(ActorName)
REFERENCES Actors(Name);
ALTER TABLE StarsIn ADD CONSTRAINT FK_StarsIn_Three FOREIGN KEY(PerformanceName,
PremiereDate) REFERENCES Performances(Name, PremiereDate);
ALTER TABLE Schedule ADD CONSTRAINT PK_Schedule PRIMARY KEY(TheaterName, Date,
HallName, StartAt);
ALTER TABLE Schedule ADD CONSTRAINT FK_Schedule_One FOREIGN KEY(TheaterName)
REFERENCES Theaters(Name);
ALTER TABLE Schedule ADD CONSTRAINT FK_Schedule_Two FOREIGN
KEY(PerformanceName, PremiereDate) REFERENCES Performances(Name, PremiereDate);
ALTER TABLE Schedule ADD CONSTRAINT FK_Schedule_Three FOREIGN KEY(HallName,
TheaterName) REFERENCES Halls(Name, TheaterName);
ALTER TABLE Attendences ADD CONSTRAINT PK_Attendences PRIMARY KEY(TheaterName,
Date, HallName, PerformanceName, PremiereDate);
ALTER TABLE Attendences ADD CONSTRAINT FK_Attendences_One FOREIGN
KEY(TheaterName) REFERENCES Theaters(Name);
ALTER TABLE Attendences ADD CONSTRAINT FK_Attendences_Two FOREIGN
KEY(PerformanceName, PremiereDate) REFERENCES Performances(Name, PremiereDate);
ALTER TABLE Attendences ADD CONSTRAINT FK_Attendences_Three FOREIGN
KEY(HallName, TheaterName) REFERENCES Halls(Name, TheaterName);
ALTER TABLE Tickets ADD CONSTRAINT PK_Ticket PRIMARY KEY(PerformanceName,
PremiereDate, Date); --change in schema
ALTER TABLE Tickets ADD CONSTRAINT FK_Ticket_One FOREIGN KEY(TheaterName)
REFERENCES Theaters(Name);
ALTER TABLE Tickets ADD CONSTRAINT FK_Ticket_Two FOREIGN KEY(HallName,
TheaterName) REFERENCES Halls(Name, TheaterName);
ALTER TABLE Tickets ADD CONSTRAINT FK_Ticket_Three FOREIGN KEY(PerformanceName,
PremiereDate) REFERENCES Performances(Name, PremiereDate);

```

Cities-----

```

INSERT INTO Cities VALUES(1000, 'Sofia', 'Sofia');
INSERT INTO Cities VALUES(5800, 'Pleven', 'Pleven');
INSERT INTO Cities VALUES(2700, 'Blagoevgrad', 'Blagoevgrad');
INSERT INTO Cities VALUES(9000, 'Varna', 'Varna');
INSERT INTO Cities VALUES(8000, 'Burgas', 'Burgas');
INSERT INTO Cities VALUES(5500, 'Lovech', 'Lovech');
INSERT INTO Cities VALUES(6000, 'Stara Zagora', 'Stara Zagora');
INSERT INTO Cities VALUES(7000, 'Ruse', 'Ruse');
INSERT INTO Cities VALUES(5000, 'Veliko Tarnovo', 'Veliko Tarnovo');
INSERT INTO Cities VALUES(5300, 'Gabrovo', 'Gabrovo');
INSERT INTO Cities VALUES(4000, 'Plovdiv', 'Plovdiv');
INSERT INTO Cities VALUES(7100, 'Byala', 'Ruse');
INSERT INTO Cities VALUES(9101, 'Byala', 'Varna');
INSERT INTO Cities VALUES(5600, 'Troyan', 'Lovech');
INSERT INTO Cities VALUES(2790, 'Yakoruda', 'Blagoevgrad');
INSERT INTO Cities VALUES(3000, 'Vratsa', 'Vratsa');
INSERT INTO Cities VALUES(8230, 'Nessebar', 'Burgas');
INSERT INTO Cities VALUES(5900, 'Levski', 'Pleven');
INSERT INTO Cities VALUES(5100, 'Gorna Oryahovitsa', 'Veliko Tarnovo');
INSERT INTO Cities VALUES(3700, 'Vidin', 'Vidin');
INSERT INTO Cities VALUES(3400, 'Dimitrovgrad', 'Haskovo');
INSERT INTO Cities VALUES(9300, 'Dobrich', 'Dobrich');
INSERT INTO Cities VALUES(4400, 'Pazardzhik', 'Pazardzhik');
INSERT INTO Cities VALUES(6300, 'Haskovo', 'Haskovo');
INSERT INTO Cities VALUES(2300, 'Pernik', 'Pernik');

```

Theaters-----

```

INSERT INTO Theaters VALUES('National Theater "Ivan Vazov"', 1962, 'Dyakon Ignatij 5', 'Sofia',
'Sofia', '02 8119227', 'theaterIvanVazov@abv.bg');
INSERT INTO Theaters VALUES('State Puppet Theater Gabrovo', 1970, 'St. St. Kiril and Metodii 11',
'Gabrovo', 'Gabrovo', '066809951', 'statePupetGabrovo@gmail.com');
INSERT INTO Theaters VALUES('Theater Laboratory Sfumato', 2011, 'D. Grekov 2', 'Sofia', 'Sofia', '02
9433890', 'theaterSfumato@gmail.com');
INSERT INTO Theaters VALUES('Metropolitan Puppet Theater', 1946, 'Yanko Sakazov 19', 'Sofia',
'Sofia', '02 9441424', 'theaterMetroPuppetSofia@abv.bg');
INSERT INTO Theaters VALUES('Bulgarian Navy Theater', 1936, 'Georgi Sava Rakovski 98', 'Sofia',
'Sofia', '02 9872303', 'navyBulgarianTheater@gmail.com');
INSERT INTO Theaters VALUES('Dramatic Theater "Ivan Radoev"', 1919, 'Vasil Levski 155', 'Pleven',
'Pleven', '064 834 376', 'dramatic_theater_Ivan_Radoev@gmail.com');

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INSERT INTO Theaters VALUES('Dramatic Puppet Theater "Nikola Vaptsarov"', 1919, 'Georgi Izmirliiev - Makedonche 1', 'Blagoevgrad', 'Blagoevgrad', '0879523729', 'dramaticTheaterNikolaVaptsarov@abv.bg');
 INSERT INTO Theaters VALUES('Puppet Theater VESEL', 1998, 'Bacho Kiro 2', 'Veliko Tarnovo', 'Veliko Tarnovo', '0887790549', 'theaterVesel@gmail.com');
 INSERT INTO Theaters VALUES('Dramatic Theater Lovech', 1969, 'Targovska 49', 'Lovech', 'Lovech', '068604194', 'dramaticTheaterLovech@gmail.com');
 INSERT INTO Theaters VALUES('Dramatic Theater "Stoyan Bachvarov"', 1923, 'pl. Nezavisimost 1', 'Varna', 'Varna', '052614600', 'dramaticTheaterStoyanBachvarov@gmail.com');
 INSERT INTO Theaters VALUES('State Puppet Theater Varna', 1952, 'Gragoman 4', 'Varna', 'Varna', '052607844', 'statePuppetTheaterVarna@gmail.com');
 INSERT INTO Theaters VALUES('Antique Theater Plovdiv', 1980, 'Tsar Ivaylo 4', 'Plovdiv', 'Plovdiv', '032621040', 'anituqeTheaterPlovdiv@gmail.com');
 INSERT INTO Theaters VALUES('Dramatic Theater Plovdiv', 1881, 'Knyaz Aleksandar I 38', 'Plovdiv', 'Plovdiv', '032271271', 'dramaticTheaterPlovdiv@abv.bg');
 INSERT INTO Theaters VALUES('State Puppet Theater Plovdiv', 1946, 'Hristo Danev 14', 'Plovdiv', 'Plovdiv', '032623275', 'statePuppetTheaterPlovdiv@abv.bg');
 INSERT INTO Theaters VALUES('Aleko Konstantinov Theater of Satire', 1957, 'Stefan Karadza 26', 'Sofia', 'Sofia', '070020766', 'theaterOfSatireSofia@abv.bg');
 INSERT INTO Theaters VALUES('Dramatic Theater "Sava Ognyanov"', 1907, 'Svoboda 4', 'Ruse', 'Ruse', '082830168', 'dramaticTheaterSavaOgnyanov@gmail.com');
 INSERT INTO Theaters VALUES('State Puppet Theater "Dora Gabe"', 1963, '25-ti Septemvri 44', 'Dobrich', 'Dobrich', '058602483', 'statePuppetTheaterDoraGabe@abv.bg');
 INSERT INTO Theaters VALUES('Dramatic Puppet Theater-Vratsa', 1938, 'Hristo Botev 1', 'Vratsa', 'Vratsa', '092621081', 'dramaticPuppetTheaterVratsa@abv.bg');
 INSERT INTO Theaters VALUES('National palace of culture', 1981, 'bul Bulgaria 1463', 'Sofia', 'Sofia', '029166300', 'national_palace_of_culture@gmail.com');
 INSERT INTO Theaters VALUES('Theater "Balgaran"', 2009, 'Bratya Shkorpil 33', 'Varna', 'Varna', '05262828', 'theaterBalgaran@abv.bg');
 INSERT INTO Theaters VALUES('Dramatic Theater "Geo Milev"', 1950, 'Metodii Kusev 28', 'Stara Zagora', 'Stara Zagora', '042622273', 'dramaticTheaterGeoMilev@abv.bg');
 INSERT INTO Theaters VALUES('Dramatic Puppet Theater "Ivan Dimov"', 1926, 'Otec Paisiy 40', 'Haskovo', 'Haskovo', '038590492', 'dramaticTheaterIvanDimov@gmail.com');
 INSERT INTO Theaters VALUES('State Puppet Theater Ruse', 1955, 'Knyazheska 9', 'Ruse', 'Ruse', '082835804', 'statePuppetTheaterRuse@abv.bg');
 INSERT INTO Theaters VALUES('State Puppet Theater Burgas', 1954, 'Kliment Ohridski 2', 'Burgas', 'Burgas', '056841235', 'statePuppetTheaterBurgas@abv.bg');
 INSERT INTO Theaters VALUES('Municipal Puppet Theater "Apostol Karamitev"', 1953, 'bul Dimitar Blagoev 13', 'Dimitrovgrad', 'Haskovo', '039166336', 'municipalTheaterApostolKaramitev@gmial.com');
 INSERT INTO Theaters VALUES('Municipal Dramatic Theater "Boyan Danovski"', 1919, 'Krakra Pernishki 3', 'Pernik', 'Pernik', '076603203', 'municipalTheaterBoyanDanovski@gmial.com');

-----Halls-----

```
INSERT INTO Halls VALUES('Main Stage', 780, 'National Theater "Ivan Vazov"');
INSERT INTO Halls VALUES('Chamber Hall', 130, 'National Theater "Ivan Vazov"');
INSERT INTO Halls VALUES('Apostol Karamitev Stage', 88, 'National Theater "Ivan Vazov"');
INSERT INTO Halls VALUES('Main Stage', 590, 'Aleko Konstantinov Theater of Satire');
INSERT INTO Halls VALUES('Chamber Hall "Metodi Andonov"', 100, 'Aleko Konstantinov Theater of Satire');
INSERT INTO Halls VALUES('Comedy Bar Happy', 200, 'Aleko Konstantinov Theater of Satire');
INSERT INTO Halls VALUES('Main Stage', 250, 'Dramatic Theater "Sava Ognyanov"');
INSERT INTO Halls VALUES('Chamber Hall "Slavi Shkarov"', 80, 'Dramatic Theater "Sava Ognyanov"');
INSERT INTO Halls VALUES('Main Stage', 250, 'Theater Laboratory Sfumato');
INSERT INTO Halls VALUES('Chamber Hall', 90, 'Theater Laboratory Sfumato');
INSERT INTO Halls VALUES('Chamber Hall "Miracle"', 300, 'Bulgarian Navy Theater');
INSERT INTO Halls VALUES('Stage "Aleksandar Gyurov"', 240, 'Dramatic Theater "Ivan Radoev"');
INSERT INTO Halls VALUES('Main Stage', 180, 'Dramatic Theater Lovech');
INSERT INTO Halls VALUES('Main Stage', 320, 'Dramatic Theater "Stoyan Bachvarov"');
INSERT INTO Halls VALUES('Main Stage', 430, 'Dramatic Theater Plovdiv');
INSERT INTO Halls VALUES('Chamber Hall "Zoom Zone"', 70, 'Dramatic Theater Plovdiv');
INSERT INTO Halls VALUES('Summer Stage', 100, 'Dramatic Theater Plovdiv');
INSERT INTO Halls VALUES('Main Stage', 190, 'Theater "Balgara"');
INSERT INTO Halls VALUES('Main Stage', 370, 'Dramatic Theater "Geo Milev"');
INSERT INTO Halls VALUES('Chamber Hall', 150, 'Dramatic Theater "Geo Milev"');
INSERT INTO Halls VALUES('Main Stage', 290, 'Municipal Dramatic Theater "Boyan Danovski"');
```

Actors-----

```
INSERT INTO Actors VALUES('Philip Avramov', '1974-09-09', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Julian Vergov', '1970-07-15', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Albena Pavlova', '1966-08-07', 'F', 'Ruse', 'Bulgaria');
INSERT INTO Actors VALUES('Asen Blatechki', '1971-03-21', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Veselin Plachkov', '1980-06-23', 'M', 'Pleven', 'Bulgaria');
INSERT INTO Actors VALUES('Victor Kalev', '1969-10-20', 'M', 'Zlatograd', 'Bulgaria');
INSERT INTO Actors VALUES('Desislava Bakardzhieva', '1978-11-04', 'F', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Elena Petrova', '1975-11-01', 'F', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Ivaylo Zahariev', '1984-10-04', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Ivan Yurukov', '1978-05-27', 'M', 'Sandanski', 'Bulgaria');
INSERT INTO Actors VALUES('Kalin Vrachanski', '1981-06-09', 'M', 'Cherven bryag', 'Bulgaria');
INSERT INTO Actors VALUES('Louise Grigorova', '1990-06-07', 'F', 'Pernik', 'Bulgaria');
INSERT INTO Actors VALUES('Lyubomir Neykov', '1972-02-07', 'M', 'Cherven bryag', 'Bulgaria');
INSERT INTO Actors VALUES('Nencho Balabanov', '1980-04-17', 'M', 'Kotel', 'Bulgaria');
INSERT INTO Actors VALUES('Nencho Ilchev', '1972-05-03', 'M', 'Momchilovtsi', 'Bulgaria');
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INSERT INTO Actors VALUES('Silviya Petkova', '1987-07-07', 'F', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Yana Marinova', '1978-08-17', 'F', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Ruslan Mynov', '1976-11-15', 'M', 'Ishmael', 'Ukraine');
INSERT INTO Actors VALUES('Vladimir Karamazov', '1979-04-27', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Vasil Draganov', '1975-11-06', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Silviya Lulcheva', '1969-08-28', 'F', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Maya Bejanska', '1972-05-19', 'F', 'Blagoevgrad', 'Bulgaria');
INSERT INTO Actors VALUES('Ralitsa Paskaleva', '1989-09-20', 'F', 'Ruse', 'Bulgaria');
INSERT INTO Actors VALUES('Dilyana Popova', '1981-09-24', 'F', 'Gulyantsi', 'Bulgaria');
INSERT INTO Actors VALUES('Zahari Baharov', '1980-08-12', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Georgi Mamalev', '1952-08-05', 'M', 'Mamarchevo', 'Bulgaria');
INSERT INTO Actors VALUES('Hristo Mutafchiev', '1969-04-04', 'M', 'Karlovo', 'Bulgaria');
INSERT INTO Actors VALUES('Antoaneta Dobрева', '1975-09-14', 'F', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Evelin Kostova', '1993-09-20', 'F', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Kalin Sarmenov', '1963-05-25', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Malin Krustev', '1970-04-23', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Krastiu Lafazanov', '1961-07-18', 'M', 'Varna', 'Bulgaria');
INSERT INTO Actors VALUES('Vladimir Penev', '1958-10-24', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Valeri Yordanov', '1974-02-22', 'M', 'Sofia', 'Bulgaria');
INSERT INTO Actors VALUES('Sofia Bobcheva', '1985-06-14', 'F', 'Sofia', 'Bulgaria');

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Performances-----

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INSERT INTO Performances VALUES('Uncle Vanya', 'Nikolay Lambrev - Mihaylovski', 115, '2020-02-21', 'Drama', 12, 'Nikolay Lambrev - Mihaylovski', 'Chayka Petrusheva', 'Bulgaria' );
INSERT INTO Performances VALUES('Sweetie', 'Emil Bonev', 120, '2020-02-20', 'Musical', 12, 'Elena Ivanova', 'Elena Ivanova', 'Bulgaria' );
INSERT INTO Performances VALUES('Karakoncolos', 'Stoyan Radev', 80, '2020-01-21', 'Monodrama', 12, 'Elitsa Georgieva', 'Elitsa Georgieva', 'Bulgaria' );
INSERT INTO Performances VALUES('The Son', 'Diana Dobрева', 110, '2020-01-18', 'Drama', 12, 'Mira Kalanova', 'Mira Kalanova', 'Bulgaria' );
INSERT INTO Performances VALUES('A Nice Lady in a Bad Company', 'Yurii Dachev', 90, '2019-11-07', 'Drama', 12, 'Yurii Dachev', 'Radina Bliznakova', 'Bulgaria' );
INSERT INTO Performances VALUES('#MyHusbandsFault', 'Liza Shopova', 60, '2020-02-05', 'Comedy', NULL, 'Antonia Popova', 'Elena Spasova', 'Bulgaria' );
INSERT INTO Performances VALUES('Network', 'Andrey Avramov', 100, '2019-12-16', 'Satire Drama', NULL, 'Antonia Popova', 'Elena Spasova', 'Bulgaria' );
INSERT INTO Performances VALUES('Albena', 'Krasimir Spasov', 115, '2017-03-16', 'Drama', NULL, 'Krasimir Vulkanov', 'Mariya Dimanova', 'Bulgaria' );
INSERT INTO Performances VALUES('Dekameron', 'Diana Dobрева', 125, '2017-02-21', NULL, NULL, 'Nina Pashova', 'NinaPashova', 'Bulgaria' );
INSERT INTO Performances VALUES('One night with you', 'Krasimir Spasov', 115, '2018-02-21', 'Drama', NULL, 'Krasimir Vulkanov', 'Krasimir Vulkanov', 'Bulgaria' );

```

```

INSERT INTO Performances VALUES('Love, love, love', 'Krasimir Spasov', 95, '2018-08-21', NULL,
NULL, 'Krasimir Vulkanov', 'Maria Dimanova', 'Bulgaria' );
INSERT INTO Performances VALUES('The Credit', 'Bina Haralambieva', 115, '2018-06-21', 'Drama',
12, 'Petya Stoykova', 'Velina Kokalova', 'Bulgaria' );
INSERT INTO Performances VALUES('For Mice And Men', 'Asen Blatechki', 130, '2012-02-21',
'Drama', NULL, 'Elena Ivanova', 'Elena Ivanova', 'Bulgaria' );
INSERT INTO Performances VALUES('An Ideal Husband', 'Tieri Arkur', 100, '2007-05-18', 'Comedy',
12, 'Elena Ivanova', 'Elena Ivanova', 'Bulgaria' );
INSERT INTO Performances VALUES('Dom Juan', 'Alexander Morfov', 170, '2006-09-29', 'Comedy',
12, 'Alexander Morfov', 'Marina Raychinova', 'Bulgaria' );
INSERT INTO Performances VALUES('Peach Thief', 'Boyko Iliev', 90, '2008-12-19', 'Drama', 12,
'Nina Pashova', 'Nina Pashova', 'Bulgaria' );
INSERT INTO Performances VALUES('The Goat or Who Is Sylvia?', 'Yavor Gardev', 115, '2009-10-
11', 'Drama', 16, 'Nikola Toromanov', 'Nikola Toromanov', 'Bulgaria' );
INSERT INTO Performances VALUES('When Thunder Strikes, The Echo Fades', 'Bina Haralampieva',
100, '2019-03-25', 'Drama', 12, 'Svila Velichkova', 'Svila Velichkova', 'Bulgaria' );
INSERT INTO Performances VALUES('The Spirit of the Poet', 'Margarita Mladenova', 75, '2013-04-
07', 'Drama', 14, 'Daniela Oleg Lyahova', 'Daniela Oleg Lyahova', 'Bulgaria' );
INSERT INTO Performances VALUES('I Pay', 'Vladlen Aleksandrov', 120, '2010-10-30', 'Comedy', 12,
'Elena Ivanova', 'Elena Ivanova', 'Bulgaria' );
INSERT INTO Performances VALUES('The chicken that says KU', 'Ivan Yurukov', 90, '2010-09-25',
NULL, NULL, 'Aleksandur Urumov', NULL, 'Bulgaria');
INSERT INTO Performances VALUES('Spinach with potatoes', 'Bogdan Petkanin', 110, '2016-10-25',
'Comedy', NULL, 'Petio Nachev', NULL, 'Bulgaria');

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-----StarsIn-----
INSERT INTO StarsIn VALUES('The chicken that says KU', '2010-09-25', 'Ivan Yurukov');
INSERT INTO StarsIn VALUES('I pay', '2010-10-30', 'Georgi Mamalev');
INSERT INTO StarsIn VALUES('The spirit of the Poet', '2013-04-07', 'Hristo Mutafchiev');
INSERT INTO StarsIn VALUES('When Thunder Strikes, The Echo Fades', '2019-03-25', 'Ivan
Yurukov');
INSERT INTO StarsIn VALUES('The Goat or Who Is Sylvia?', '2009-10-11', 'Julian Vergov');
INSERT INTO StarsIn VALUES('Dom Juan', '2006-09-29', 'Julian Vergov');
INSERT INTO StarsIn VALUES('Dom Juan', '2006-09-29', 'Philip Avramov');
INSERT INTO StarsIn VALUES('Peach Thief', '2008-12-19', 'Julian Vergov');
INSERT INTO StarsIn VALUES('An Ideal Husband', '2007-05-18', 'Julian Vergov');
INSERT INTO StarsIn VALUES('An Ideal Husband', '2007-05-18', 'Vladimir Karamazov');
INSERT INTO StarsIn VALUES('An Ideal Husband', '2007-05-18', 'Ivan Yurukov');
INSERT INTO StarsIn VALUES('For Mice And Men', '2012-02-21', 'Asen Blatechki');
INSERT INTO StarsIn VALUES('For Mice And Men', '2012-02-21', 'Kalin Vrachanski');
INSERT INTO StarsIn VALUES('The Credit', '2018-06-21', 'Asen Blatechki');
INSERT INTO StarsIn VALUES('The Credit', '2018-06-21', 'Kalin Vrachanski');
INSERT INTO StarsIn VALUES('Love, Love, Love', '2018-08-21', 'Antoaneta Dobрева');

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INSERT INTO StarsIn VALUES('Love, Love, Love', '2018-08-21', 'Evelin Kostova');
INSERT INTO StarsIn VALUES('One night with you ', '2018-02-21', 'Evelin Kostova');
INSERT INTO StarsIn VALUES('Dekameron', '2017-02-21', 'Antoaneta Dobрева');
INSERT INTO StarsIn VALUES('Albena', '2017-03-16', 'Evelin Kostova');
INSERT INTO StarsIn VALUES('Network', '2019-12-16', 'Kalin Sarmenov');
INSERT INTO StarsIn VALUES('Network', '2019-12-16', 'Malin Krustev');
INSERT INTO StarsIn VALUES('#MyHusbandsFault', '2020-02-05', 'Silviya Lulcheva');
INSERT INTO StarsIn VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Krastiu Lafazanov');
INSERT INTO StarsIn VALUES('The Son', '2020-01-18', 'Zahari Baharov');
INSERT INTO StarsIn VALUES('The Son', '2020-01-18', 'Vladimir Penev');
INSERT INTO StarsIn VALUES('Karakoncolos', '2020-01-21', 'Valeri Yordanov');
INSERT INTO StarsIn VALUES('Sweetie', '2020-02-20', 'Sofia Bobcheva');
INSERT INTO StarsIn VALUES('Spinach with potatoes', '2016-10-25', 'Julian Vergov');
INSERT INTO StarsIn VALUES('Spinach with potatoes', '2016-10-25', 'Asen Blatechki');
INSERT INTO StarsIn VALUES('Spinach with potatoes', '2016-10-25', 'Zahari Baharov');

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-----Schedule-----

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INSERT INTO Schedule VALUES('Spinach with potatoes', '2016-10-25', 'Aleko Konstantinov Theater of Satire', 'Main Stage', '2020-03-06', '19:00', '20:50', 'NO', 'NO', NULL);
INSERT INTO Schedule VALUES('Spinach with potatoes', '2016-10-25', 'Municipal Dramatic Theater "Boyan Danovski"', 'Main Stage', '2020-03-10', '17:30', '19:20', 'YES', 'NO', 'Aleko Konstantinov Theater of Satire');
INSERT INTO Schedule VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage', '2020-03-21', '11:00', '13:00', 'NO', 'YES', NULL);
INSERT INTO Schedule VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage', '2020-03-12', '15:30', '17:30', 'NO', 'NO', NULL);
INSERT INTO Schedule VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"', 'Chamber Hall', '2020-03-04', '18:00', '19:55', 'NO', 'NO', NULL);
INSERT INTO Schedule VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"', 'Chamber Hall', '2020-03-09', '17:00', '18:55', 'NO', 'YES', NULL);
INSERT INTO Schedule VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Dramatic Theater "Sava Ognyanov"', 'Chamber Hall "Slavi Shkarov"', '2020-03-10', '19:00', '20:30', 'YES', 'YES', 'National Theater "Ivan Vazov"');
INSERT INTO Schedule VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'National Theater "Ivan Vazov"', 'Chamber Hall', '2020-03-11', '11:00', '12:30', 'NO', 'NO', NULL);
INSERT INTO Schedule VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Dramatic Theater "Ivan Radoev"', 'Stage "Aleksandar Gyurov"', '2020-03-13', '14:00', '15:30', 'YES', 'NO', 'National Theater "Ivan Vazov"');
INSERT INTO Schedule VALUES('Peach Thief', '2008-12-19', 'Dramatic Theater Lovech', 'Main Stage', '2020-03-02', '19:00', '20:30', 'YES', 'NO', 'National Theater "Ivan Vazov"');
INSERT INTO Schedule VALUES('Peach Thief', '2008-12-19', 'National Theater "Ivan Vazov"', 'Chamber Hall', '2020-03-14', '16:30', '18:00', 'NO', 'NO', NULL);
INSERT INTO Schedule VALUES('The Goat or Who Is Sylvia?', '2009-10-11', 'National Theater "Ivan

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Vazov"', 'Chamber Hall' , '2020-03-19', '15:00', '17:55', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('The Goat or Who Is Sylvia?', '2009-10-11', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-03-29', '20:40', '22:35', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('When Thunder Strikes, The Echo Fades', '2019-03-25', 'Dramatic Theater "Ivan Radoev"', 'Stage "Aleksandar Gyurov"' , '2020-03-11', '15:30', '17:10', 'YES', 'NO', 'National Theater "Ivan Vazov"');

INSERT INTO Schedule VALUES('When Thunder Strikes, The Echo Fades', '2019-03-25', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-03-31', '20:00', '21:40', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('The Spirit of the Poet', '2013-04-07', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-03-30', '19:00', '20:15', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('I Pay', '2010-10-30', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-03-28', '19:00', '21:00', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('An Ideal Husband', '2007-05-18', 'National Theater "Ivan Vazov"', 'Main Stage' , '2020-03-02', '17:30', '19:10', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('An Ideal Husband', '2007-05-18', 'Dramatic Theater Lovech', 'Main Stage' , '2020-03-09', '21:30', '23:10', 'YES', 'NO', 'National Theater "Ivan Vazov"');

INSERT INTO Schedule VALUES('An Ideal Husband', '2007-05-18', 'National Theater "Ivan Vazov"', 'Main Stage' , '2020-03-22', '19:00', '20:40', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('An Ideal Husband', '2007-05-18', 'Dramatic Theater "Sava Ognyanov"', 'Main Stage' , '2020-03-28', '18:35', '20:15', 'YES', 'NO', 'National Theater "Ivan Vazov"');

INSERT INTO Schedule VALUES('Dom Juan', '2006-09-29', 'Theater "Balgaran"', 'Main Stage' , '2020-03-08', '19:00', '21:50', 'YES', 'NO', 'National Theater "Ivan Vazov"');

INSERT INTO Schedule VALUES('Dom Juan', '2006-09-29', 'Dramatic Theater Plovdiv', 'Main Stage' , '2020-03-25', '17:30', '20:20', 'YES', 'NO', 'National Theater "Ivan Vazov"');

INSERT INTO Schedule VALUES('Dom Juan', '2006-09-29', 'National Theater "Ivan Vazov"', 'Main Stage' , '2020-03-31', '18:00', '20:50', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('The Son', '2020-01-18', 'Dramatic Theater "Stoyan Bachvarov"', 'Main Stage' , '2020-03-13', '19:00', '20:50', 'YES', 'NO', 'National Theater "Ivan Vazov"');

INSERT INTO Schedule VALUES('The Son', '2020-01-18', 'National Theater "Ivan Vazov"', 'Main Stage' , '2020-03-28', '14:00', '15:50', 'NO', 'YES', NULL);

INSERT INTO Schedule VALUES('Karakoncolos', '2020-01-21', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage' , '2020-03-13', '18:30', '19:50', 'NO', 'YES', NULL);

INSERT INTO Schedule VALUES('Karakoncolos', '2020-01-21', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage' , '2020-03-19', '20:00', '21:20', 'NO', 'YES', NULL);

INSERT INTO Schedule VALUES('#MyHusbandsFault', '2020-02-05', 'Aleko Konstantinov Theater of Satire', 'Comedy Bar Happy' , '2020-03-15', '13:30', '14:30', 'NO', 'YES', NULL);

INSERT INTO Schedule VALUES('Network', '2019-12-16', 'Aleko Konstantinov Theater of Satire', 'Main Stage' , '2020-03-15', '17:00', '18:40', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('Network', '2019-12-16', 'Aleko Konstantinov Theater of Satire', 'Main Stage' , '2020-03-27', '19:00', '20:40', 'NO', 'NO', NULL);

INSERT INTO Schedule VALUES('The chicken that says KU', '2010-09-25', 'National Theater "Ivan Vazov"', 'Main Stage' , '2020-03-16', '19:00', '20:30', 'YES', 'NO', 'National palace of culture');

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INSERT INTO Schedule VALUES('For Mice And Men', '2012-02-21', 'Dramatic Theater "Ivan
Radoev"', 'Stage "Aleksandar Gyurov"', '2020-03-16', '18:30', '20:40', 'YES', 'NO', 'Municipal Dramatic
Theater "Boyan Danovski"');
INSERT INTO Schedule VALUES('The Credit', '2018-06-21', 'Dramatic Theater "Geo Milev"', 'Main
Stage', '2020-03-20', '19:00', '20:50', 'YES', 'NO', 'Dramatic Theater Plovdiv');
INSERT INTO Schedule VALUES('Albena', '2017-03-16', 'Bulgarian Navy Theater', 'Chamber Hall
"Miracle"', '2020-03-16', '21:00', '22:50', 'NO', 'NO', NULL);
INSERT INTO Schedule VALUES('Dekameron', '2017-02-21', 'Bulgarian Navy Theater', 'Chamber
Hall "Miracle"', '2020-03-28', '18:30', '20:35', 'NO', 'NO', NULL);
INSERT INTO Schedule VALUES('One night with you', '2018-02-21', 'Theater Laboratory Sfumato',
'Main stage', '2020-03-15', '18:30', '20:25', 'YES', 'NO', 'Bulgarian Navy Theater' );
INSERT INTO Schedule VALUES('Love, love, love', '2018-08-21', 'Bulgarian Navy Theater',
'Chamber Hall "Miracle"', '2020-03-14', '19:00', '20:35', 'NO', 'NO', NULL);

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Attendences-----

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INSERT INTO Attendences VALUES('Spinach with potatoes', '2016-10-25', 'Aleko Konstantinov
Theater of Satire', 'Main Stage', '2020-02-20', 500);
INSERT INTO Attendences VALUES('Spinach with potatoes', '2016-10-25', 'Dramatic Theater
Plovdiv', 'Main Stage', '2020-02-21', 400);
INSERT INTO Attendences VALUES('Spinach with potatoes', '2016-10-25', 'Dramatic Theater "Geo
Milev"', 'Main Stage', '2020-02-22', 320);
INSERT INTO Attendences VALUES('Spinach with potatoes', '2016-10-25', 'Dramatic Theater "Sava
Ognyanov"', 'Main Stage', '2020-02-25', 213);
INSERT INTO Attendences VALUES('Spinach with potatoes', '2016-10-25', 'Dramatic Theater "Stoyan
Bachvarov"', 'Main Stage', '2020-02-28', 274);
INSERT INTO Attendences VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"',
'Apostol Karamitev Stage', '2020-02-20', 88);
INSERT INTO Attendences VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"',
'Apostol Karamitev Stage', '2020-02-22', 87);
INSERT INTO Attendences VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"',
'Apostol Karamitev Stage', '2020-02-07', 87);
INSERT INTO Attendences VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"',
'Chamber Hall', '2020-02-21', 130);
INSERT INTO Attendences VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"',
'Chamber Hall', '2020-02-23', 130);
INSERT INTO Attendences VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"',
'Chamber Hall', '2020-02-25', 125);
INSERT INTO Attendences VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"',
'Chamber Hall', '2020-02-26', 127);
INSERT INTO Attendences VALUES('Uncle Vanya', '2020-02-21', 'Dramatic Theater "Geo Milev"',
'Chamber Hall', '2020-02-28', 149);

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INSERT INTO Attendences VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-02-09', 121);
 INSERT INTO Attendences VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Theater Laboratory Sfumato', 'Chamber Hall' , '2020-02-15', 85);
 INSERT INTO Attendences VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Dramatic Theater "Geo Milev"', 'Chamber Hall' , '2020-02-17', 137);
 INSERT INTO Attendences VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Dramatic Theater Plovdiv', 'Chamber Hall "Zoom Zone"' , '2020-02-27', 60);
 INSERT INTO Attendences VALUES('Peach Thief', '2008-12-19', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-02-10', 112);
 INSERT INTO Attendences VALUES('Peach Thief', '2008-12-19', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-02-12', 100);
 INSERT INTO Attendences VALUES('Peach Thief', '2008-12-19', 'Aleko Konstantinov Theater of Satire', 'Chamber Hall "Metodi Andonov"' , '2020-02-16', 80);
 INSERT INTO Attendences VALUES('Peach Thief', '2008-12-19', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-02-19', 104);
 INSERT INTO Attendences VALUES('When Thunder Strikes, The Echo Fades', '2019-03-25', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-02-11', 113);
 INSERT INTO Attendences VALUES('The Spirit of the Poet', '2013-04-07', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-02-03', 99);
 INSERT INTO Attendences VALUES('I Pay', '2010-10-30', 'National Theater "Ivan Vazov"', 'Chamber Hall' , '2020-02-04', 75);
 INSERT INTO Attendences VALUES('An Ideal Husband', '2007-05-18', 'Municipal Dramatic Theater "Boyan Danovski"', 'Main Stage' , '2020-02-11', 280);
 INSERT INTO Attendences VALUES('An Ideal Husband', '2007-05-18', 'National Theater "Ivan Vazov"', 'Main Stage' , '2020-02-28', 500);
 INSERT INTO Attendences VALUES('Dom Juan', '2006-09-29', 'National Theater "Ivan Vazov"', 'Main Stage' , '2020-02-08', 497);
 INSERT INTO Attendences VALUES('Dom Juan', '2006-09-29', 'Dramatic Theater Lovech', 'Main Stage' , '2020-02-28', 164);
 INSERT INTO Attendences VALUES('The Son', '2020-01-18', 'National Theater "Ivan Vazov"', 'Main Stage' , '2020-02-15', 637);
 INSERT INTO Attendences VALUES('The Son', '2020-01-18', 'Municipal Dramatic Theater "Boyan Danovski"', 'Main Stage' , '2020-02-27', 257);
 INSERT INTO Attendences VALUES('Karakoncolos', '2020-01-21', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage' , '2020-02-13', 88);
 INSERT INTO Attendences VALUES('#MyHusbandsFault', '2020-02-05', 'Aleko Konstantinov Theater of Satire', 'Comedy Bar Happy' , '2020-02-05', 200);
 INSERT INTO Attendences VALUES('#MyHusbandsFault', '2020-02-05', 'Aleko Konstantinov Theater of Satire', 'Comedy Bar Happy' , '2020-02-10', 197);
 INSERT INTO Attendences VALUES('Network', '2019-12-16', 'Aleko Konstantinov Theater of Satire', 'Main Stage' , '2020-02-12', 483);

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INSERT INTO Attendences VALUES('The chicken that says KU', '2010-09-25', 'Aleko Konstantinov Theater of Satire', 'Main Stage' , '2020-02-12', 576);
INSERT INTO Attendences VALUES('For Mice And Men', '2012-02-21', 'Municipal Dramatic Theater "Boyan Danovski"', 'Main Stage' , '2020-02-16', 241);
INSERT INTO Attendences VALUES('The Credit', '2018-06-21', 'Dramatic Theater "Sava Ognyanov"', 'Chamber Hall "Slavi Shkarov"' , '2020-02-20', 65);
INSERT INTO Attendences VALUES('Albena', '2017-03-16', 'Bulgarian Navy Theater', 'Chamber Hall "Miracle"' , '2020-02-16', 278);
INSERT INTO Attendences VALUES('Dekameron', '2017-02-21', 'Bulgarian Navy Theater', 'Chamber Hall "Miracle"' , '2020-02-18', 238);
INSERT INTO Attendences VALUES('One night with you', '2018-02-21', 'Bulgarian Navy Theater', 'Chamber Hall "Miracle"' , '2020-02-22', 263);
INSERT INTO Attendences VALUES('Love, love, love', '2018-08-21', 'Theater Laboratory Sfumato', 'Main stage' , '2020-02-15', 276);

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-----Tickets-----

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INSERT INTO Tickets VALUES('Spinach with potatoes', '2016-10-25', 'Aleko Konstantinov Theater of Satire', 'Main Stage', 15, 0, '2020-02-20');
INSERT INTO Tickets VALUES('Spinach with potatoes', '2016-10-25', 'Dramatic Theater Plovdiv', 'Main Stage', 25, 0, '2020-02-21');
INSERT INTO Tickets VALUES('Spinach with potatoes', '2016-10-25', 'Dramatic Theater "Geo Milev"', 'Main Stage', 20, 0, '2020-02-22');
INSERT INTO Tickets VALUES('Spinach with potatoes', '2016-10-25', 'Dramatic Theater "Sava Ognyanov"', 'Main Stage', 20, 0, '2020-02-25');
INSERT INTO Tickets VALUES('Spinach with potatoes', '2016-10-25', 'Dramatic Theater "Stoyan Bachvarov"', 'Main Stage', 20, 0, '2020-02-28');
INSERT INTO Tickets VALUES('Spinach with potatoes', '2016-10-25', 'Aleko Konstantinov Theater of Satire', 'Main Stage', 20, 0, '2020-03-06');
INSERT INTO Tickets VALUES('Spinach with potatoes', '2016-10-25', 'Municipal Dramatic Theater "Boyan Danovski"', 'Main Stage', 20, 0, '2020-03-10');
INSERT INTO Tickets VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage' , 30, 0, '2020-02-20');
INSERT INTO Tickets VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage' , 30, 0, '2020-02-22');
INSERT INTO Tickets VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage' , 25, 0, '2020-02-07');
INSERT INTO Tickets VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage' , 25, 0, '2020-03-21');
INSERT INTO Tickets VALUES('Sweetie', '2020-02-20', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage' , 25, 20, '2020-03-12');
INSERT INTO Tickets VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"', 'Chamber Hall' , 30, 0, '2020-02-21');
INSERT INTO Tickets VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"',

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'Chamber Hall' , 25, 0, '2020-02-23');
 INSERT INTO Tickets VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"',
 'Chamber Hall' , 20, 0, '2020-02-25');
 INSERT INTO Tickets VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"',
 'Chamber Hall' , 20, 20, '2020-02-26');
 INSERT INTO Tickets VALUES('Uncle Vanya', '2020-02-21', 'Dramatic Theater "Geo Milev"',
 'Chamber Hall' , 20, 25, '2020-02-28');
 INSERT INTO Tickets VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"',
 'Chamber Hall' , 15, 0, '2020-03-04');
 INSERT INTO Tickets VALUES('Uncle Vanya', '2020-02-21', 'National Theater "Ivan Vazov"',
 'Chamber Hall' , 20, 10, '2020-03-09');
 INSERT INTO Tickets VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'National Theater
 "Ivan Vazov"', 'Chamber Hall' , 20, 10, '2020-02-09');
 INSERT INTO Tickets VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Theater Laboratory
 Sfumato', 'Chamber Hall' , 20, 10, '2020-02-15');
 INSERT INTO Tickets VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Dramatic Theater
 "Geo Milev"', 'Chamber Hall' , 20, 10, '2020-02-17');
 INSERT INTO Tickets VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Dramatic Theater
 Plovdiv', 'Chamber Hall "Zoom Zone"' , 20, 10, '2020-02-27');
 INSERT INTO Tickets VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Dramatic Theater
 "Sava Ognyanov"', 'Chamber Hall "Slavi Shkarov"' , 20, 0, '2020-03-10');
 INSERT INTO Tickets VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'National Theater
 "Ivan Vazov"', 'Chamber Hall' , 20, 0, '2020-03-11');
 INSERT INTO Tickets VALUES('A Nice Lady in a Bad Company', '2019-11-07', 'Dramatic Theater
 "Ivan Radoev"', 'Stage "Aleksandar Gyurov"' , 20, 0, '2020-03-13');
 INSERT INTO Tickets VALUES('Peach Thief', '2008-12-19', 'National Theater "Ivan Vazov"',
 'Chamber Hall' , 20, 0, '2020-02-10');
 INSERT INTO Tickets VALUES('Peach Thief', '2008-12-19', 'National Theater "Ivan Vazov"',
 'Chamber Hall' , 20, 50, '2020-02-12');
 INSERT INTO Tickets VALUES('Peach Thief', '2008-12-19', 'Aleko Konstantinov Theater of Satire',
 'Chamber Hall "Metodi Andonov"' , 20, 50, '2020-02-16');
 INSERT INTO Tickets VALUES('Peach Thief', '2008-12-19', 'National Theater "Ivan Vazov"',
 'Chamber Hall' , 20, 20, '2020-02-19');
 INSERT INTO Tickets VALUES('Peach Thief', '2008-12-19', 'Dramatic Theater Lovech', 'Main Stage' ,
 20, 25, '2020-03-02');
 INSERT INTO Tickets VALUES('Peach Thief', '2008-12-19', 'National Theater "Ivan Vazov"',
 'Chamber Hall' , 20, 25, '2020-03-14');
 INSERT INTO Tickets VALUES('The Goat or Who Is Sylvia?', '2009-10-11', 'National Theater "Ivan
 Vazov"', 'Chamber Hall' , 20, 0, '2020-03-19');
 INSERT INTO Tickets VALUES('The Goat or Who Is Sylvia?', '2009-10-11', 'National Theater "Ivan
 Vazov"', 'Chamber Hall' , 20, 0, '2020-03-29');
 INSERT INTO Tickets VALUES('When Thunder Strikes, The Echo Fades', '2019-03-25', 'National

Theater "Ivan Vazov", 'Chamber Hall' , 20, 0, '2020-02-11');

INSERT INTO Tickets VALUES('When Thunder Strikes, The Echo Fades', '2019-03-25', 'Dramatic Theater "Ivan Radoev"', 'Stage "Aleksandar Gyurov"' , 20, 10, '2020-03-11');

INSERT INTO Tickets VALUES('When Thunder Strikes, The Echo Fades', '2019-03-25', 'National Theater "Ivan Vazov"', 'Chamber Hall' , 25, 20, '2020-03-31');

INSERT INTO Tickets VALUES('The Spirit of the Poet', '2013-04-07', 'National Theater "Ivan Vazov"', 'Chamber Hall' , 20, 0, '2020-02-03');

INSERT INTO Tickets VALUES('The Spirit of the Poet', '2013-04-07', 'National Theater "Ivan Vazov"', 'Chamber Hall' , 25, 20, '2020-03-30');

INSERT INTO Tickets VALUES('I Pay', '2010-10-30', 'National Theater "Ivan Vazov"', 'Chamber Hall' , 20, 0, '2020-02-04');

INSERT INTO Tickets VALUES('I Pay', '2010-10-30', 'National Theater "Ivan Vazov"', 'Chamber Hall' , 20, 20, '2020-03-28');

INSERT INTO Tickets VALUES('An Ideal Husband', '2007-05-18', 'Municipal Dramatic Theater "Boyan Danovski"', 'Main Stage' , 20, 20, '2020-02-11');

INSERT INTO Tickets VALUES('An Ideal Husband', '2007-05-18', 'National Theater "Ivan Vazov"', 'Main Stage' , 20, 0, '2020-02-28');

INSERT INTO Tickets VALUES('An Ideal Husband', '2007-05-18', 'National Theater "Ivan Vazov"', 'Main Stage' , 25, 20, '2020-03-02');

INSERT INTO Tickets VALUES('An Ideal Husband', '2007-05-18', 'Dramatic Theater Lovech', 'Main Stage' , 25, 0, '2020-03-09');

INSERT INTO Tickets VALUES('An Ideal Husband', '2007-05-18', 'National Theater "Ivan Vazov"', 'Main Stage' , 20, 50, '2020-03-22');

INSERT INTO Tickets VALUES('An Ideal Husband', '2007-05-18', 'Dramatic Theater "Sava Ognyanov"', 'Main Stage' , 30, 75, '2020-03-28');

INSERT INTO Tickets VALUES('Dom Juan', '2006-09-29', 'National Theater "Ivan Vazov"', 'Main Stage' , 20, 0, '2020-02-08');

INSERT INTO Tickets VALUES('Dom Juan', '2006-09-29', 'Dramatic Theater Lovech', 'Main Stage' , 25, 20, '2020-02-28');

INSERT INTO Tickets VALUES('Dom Juan', '2006-09-29', 'Theater "Balgaran"', 'Main Stage' , 20, 0, '2020-03-08');

INSERT INTO Tickets VALUES('Dom Juan', '2006-09-29', 'Dramatic Theater Plovdiv', 'Main Stage' , 20, 20, '2020-03-25');

INSERT INTO Tickets VALUES('Dom Juan', '2006-09-29', 'National Theater "Ivan Vazov"', 'Main Stage' , 20, 15, '2020-03-31');

INSERT INTO Tickets VALUES('The Son', '2020-01-18', 'National Theater "Ivan Vazov"', 'Main Stage' , 30, 0, '2020-02-15');

INSERT INTO Tickets VALUES('The Son', '2020-01-18', 'Municipal Dramatic Theater "Boyan Danovski"', 'Main Stage' , 30, 30, '2020-02-27');

INSERT INTO Tickets VALUES('The Son', '2020-01-18', 'Dramatic Theater "Stoyan Bachvarov"', 'Main Stage' , 20, 30, '2020-03-13');

INSERT INTO Tickets VALUES('The Son', '2020-01-18', 'National Theater "Ivan Vazov"', 'Main Stage'

, 30, 0, '2020-03-28');

INSERT INTO Tickets VALUES('Karakoncolos', '2020-01-21', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage', 30, 0, '2020-02-13');

INSERT INTO Tickets VALUES('Karakoncolos', '2020-01-21', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage', 30, 0, '2020-03-13');

INSERT INTO Tickets VALUES('Karakoncolos', '2020-01-21', 'National Theater "Ivan Vazov"', 'Apostol Karamitev Stage', 30, 20, '2020-03-19');

INSERT INTO Tickets VALUES('#MyHusbandsFault', '2020-02-05', 'Aleko Konstantinov Theater of Satire', 'Comedy Bar Happy', 30, 0, '2020-02-05');

INSERT INTO Tickets VALUES('#MyHusbandsFault', '2020-02-05', 'Aleko Konstantinov Theater of Satire', 'Comedy Bar Happy', 30, 0, '2020-02-10');

INSERT INTO Tickets VALUES('#MyHusbandsFault', '2020-02-05', 'Aleko Konstantinov Theater of Satire', 'Comedy Bar Happy', 30, 20, '2020-03-15');

INSERT INTO Tickets VALUES('Network', '2019-12-16', 'Aleko Konstantinov Theater of Satire', 'Main Stage', 30, 10, '2020-02-12');

INSERT INTO Tickets VALUES('Network', '2019-12-16', 'Aleko Konstantinov Theater of Satire', 'Main Stage', 30, 10, '2020-03-15');

INSERT INTO Tickets VALUES('Network', '2019-12-16', 'Aleko Konstantinov Theater of Satire', 'Main Stage', 30, 20, '2020-03-27');

INSERT INTO Tickets VALUES('The chicken that says KU', '2010-09-25', 'Aleko Konstantinov Theater of Satire', 'Main Stage', 30, 0, '2020-02-12');

INSERT INTO Tickets VALUES('The chicken that says KU', '2010-09-25', 'National Theater "Ivan Vazov"', 'Main Stage', 30, 0, '2020-03-16');

INSERT INTO Tickets VALUES('For Mice And Men', '2012-02-21', 'Municipal Dramatic Theater "Boyan Danovski"', 'Main Stage', 20, 10, '2020-02-16');

INSERT INTO Tickets VALUES('For Mice And Men', '2012-02-21', 'Dramatic Theater "Ivan Radoev"', 'Stage "Aleksandar Gyurov"', 20, 0, '2020-03-16');

INSERT INTO Tickets VALUES('The Credit', '2018-06-21', 'Dramatic Theater "Sava Ognyanov"', 'Chamber Hall "Slavi Shkarov"', 20, 0, '2020-02-20');

INSERT INTO Tickets VALUES('The Credit', '2018-06-21', 'Dramatic Theater "Geo Milev"', 'Main Stage', 25, 0, '2020-03-20');

INSERT INTO Tickets VALUES('Albena', '2017-03-16', 'Bulgarian Navy Theater', 'Chamber Hall "Miracle"', 25, 25, '2020-02-16');

INSERT INTO Tickets VALUES('Albena', '2017-03-16', 'Bulgarian Navy Theater', 'Chamber Hall "Miracle"', 35, 0, '2020-03-16');

INSERT INTO Tickets VALUES('Dekameron', '2017-02-21', 'Bulgarian Navy Theater', 'Chamber Hall "Miracle"', 15, 0, '2020-02-18');

INSERT INTO Tickets VALUES('Dekameron', '2017-02-21', 'Bulgarian Navy Theater', 'Chamber Hall "Miracle"', 20, 0, '2020-03-28');

INSERT INTO Tickets VALUES('One night with you', '2018-02-21', 'Bulgarian Navy Theater', 'Chamber Hall "Miracle"', 15, 0, '2020-02-22');

INSERT INTO Tickets VALUES('One night with you', '2018-02-21', 'Theater Laboratory Sfumato',

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'Main stage' , 15, 0, '2020-03-15');
INSERT INTO Tickets VALUES('Love, love, love', '2018-08-21', 'Theater Laboratory Sfumato', 'Main
stage' , 15, 0, '2020-02-15');
INSERT INTO Tickets VALUES('Love, love, love', '2018-08-21', 'Bulgarian Navy Theater', 'Chamber
Hall "Miracle"' , 15, 0, '2020-03-14');
ALTER TABLE Actors ADD IsDeleted VARCHAR(3);
UPDATE Actors SET IsDeleted = 'NO';
ALTER TABLE Actors ADD WhenDeleted DATETIME;
ALTER TABLE Theaters ADD IsDeleted VARCHAR(3);
UPDATE Theaters SET IsDeleted = 'NO';
ALTER TABLE Theaters ADD WhenDeleted DATETIME;
ALTER TABLE Performances ADD IsDeleted VARCHAR(3);
UPDATE Performances SET IsDeleted = 'NO';
ALTER TABLE Performances ADD WhenDeleted DATETIME;
CREATE TABLE Actors_audits(
Name VARCHAR(100) NOT NULL,
BirthDate DATE,
Gender CHAR(1) NOT NULL,
HomeTown VARCHAR(20) NOT NULL,
Country VARCHAR(50) NOT NULL,
IsDeleted VARCHAR(3) DEFAULT 'NO',
WhenDeleted DATETIME,
UpdatedAt DATETIME
);
CREATE TABLE Performances_audits(
Name VARCHAR(255) NOT NULL,
Producer VARCHAR(100) NOT NULL,
Duration INT NOT NULL, CHECK(Duration > 0),
PremiereDate DATE NOT NULL,
Genre VARCHAR(20),
AgeLimit INT,
Playwright VARCHAR(100),
CostumeDesigner VARCHAR(100),
Country VARCHAR(50),
IsDeleted VARCHAR(3) DEFAULT 'NO',
WhenDeleted DATE,
UpdatedAt DATE
);
CREATE TABLE Theaters_audits(
Name VARCHAR(100) NOT NULL,
Year INT NOT NULL CHECK (Year > 0),
Address VARCHAR(100),

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City VARCHAR(20) NOT NULL,
 Region VARCHAR(20) NOT NULL,
 PhoneNumber VARCHAR(64),
 Email VARCHAR(64),
 IsDeleted VARCHAR(3) DEFAULT 'NO',
 WhenDeleted DATE,
 UpdatedAt DATE
);
 SELECT * FROM Theaters

	Name	Year	Address	City	Region	PhoneNumber	Email
1	Aleko Konstantinov Theater of Satire	1957	Stefan Karadza 26	Sofia	Sofia	070020766	theaterOfSatireSofia@abv.bg
2	Antique Theater Plovdiv	1980	Tsar Ivaylo 4	Plovdiv	Plovdiv	032621040	anituqeTheaterPlovdiv@gmail.com
3	Bulgarian Navy Theater	1936	Georgi Sava Ra...	Sofia	Sofia	02 9872303	navyBulgarianTheater@gmail.com
4	Dramatic Puppet Theater "Ivan Di...	1926	Otec Paisiy 40	Hask...	Hask...	038590492	dramaticTheaterIvanDimov@gm...
5	Dramatic Puppet Theater "Nikola V...	1919	Georgi Izmiriev - ...	Blago...	Blago...	0879523729	dramaticTheaterNikolaVaptsarov...
6	Dramatic Puppet Theater-Vratsa	1938	Hristo Botev 1	Vratsa	Vratsa	092621081	dramaticPuppetTheaterVratsa@...
7	Dramatic Theater "Geo Milev"	1950	Metodii Kusev 28	Stara...	Stara...	042622273	dramaticTheaterGeoMilev@abv.bg
8	Dramatic Theater "Ivan Radoev"	1919	Vasil Levski 155	Pleven	Pleven	064 834 376	dramatic_theater_Ivan_Radoev...
9	Dramatic Theater "Sava Ognyanov"	1907	Svoboda 4	Ruse	Ruse	082830168	dramaticTheaterSavaOgnyanov...
10	Dramatic Theater "Stoyan Bachvar...	1923	pl. Nezavisimost 1	Vama	Vama	052614600	dramaticTheaterStoyanBachvaro...
11	Dramatic Theater Lovech	1969	Targovska 49	Lovech	Lovech	068604194	dramaticTheaterLovech@gmail.c...
12	Dramatic Theater Plovdiv	1881	Knyaz Aleksand...	Plovdiv	Plovdiv	032271271	dramaticTheaterPlovdiv@abv.bg
13	Metropolitan Puppet Theater	1946	Yanko Sakazov ...	Sofia	Sofia	02 9441424	theaterMetroPuppetSofia@abv.bg
14	Municipal Dramatic Theater "Boya...	1919	Krakra Pemishki 3	Pemik	Pemik	076603203	municipalTheaterBoyanDanovski...
15	Municipal Puppet Theater "Apostol...	1953	bul Dimitar Blago...	Dimitr...	Hask...	039166336	municipalTheaterApostolKaramite...
16	National palace of culture	1981	bul Bulgaria 1463	Sofia	Sofia	029166300	national_palace_of_culture@gm...
17	National Theater "Ivan Vazov"	1962	Dyakon Ignatij 5	Sofia	Sofia	02 8119227	theaterIvanVazov@abv.bg
18	Puppet Theater VESEL	1998	Bacho Kiro 2	Velik...	Velik...	0887790549	theaterVesel@gmail.com
19	State Puppet Theater "Dora Gabe"	1963	25-ti Septemvri 44	Dobri...	Dobri...	058602483	statePuppetTheaterDoraGabe@...
20	State Puppet Theater Burgas	1954	Kliment Ohridski 2	Burgas	Burgas	056841235	statePuppetTheaterBurgas@abv...
21	State Puppet Theater Gabrovo	1970	St. St. Kiril and ...	Gabr...	Gabr...	066809951	statePupetGabrovo@gmail.com
22	State Puppet Theater Plovdiv	1946	Hristo Danev 14	Plovdiv	Plovdiv	032623275	statePuppetTheaterPlovdiv@ab...
23	State Puppet Theater Ruse	1955	Knyazheska 9	Ruse	Ruse	082835804	statePuppetTheaterRuse@abv.bg
24	State Puppet Theater Vama	1952	Gragoman 4	Vama	Vama	052607844	statePuppetTheaterVama@gmail...
25	Theater "Balqaran"	2009	Bratva Shkoril 33	Vama	Vama	05262828	theaterBalqaran@abv.ba

SELECT * FROM Halls

	Name	Capacity	TheaterName
1	Apostol Karamitev Stage	88	National Theater "Ivan Vazov"
2	Chamber Hall	150	Dramatic Theater "Geo Milev"
3	Chamber Hall	130	National Theater "Ivan Vazov"
4	Chamber Hall	90	Theater Laboratory Sfumato
5	Chamber Hall "Metodi ...	100	Aleko Konstantinov Theater ...
6	Chamber Hall "Miracle"	300	Bulgarian Navy Theater
7	Chamber Hall "Slavi S...	80	Dramatic Theater "Sava Ogn...
8	Chamber Hall "Zoom Z...	70	Dramatic Theater Plovdiv
9	Comedy Bar Happy	200	Aleko Konstantinov Theater ...
10	Main Stage	590	Aleko Konstantinov Theater ...
11	Main Stage	370	Dramatic Theater "Geo Milev"
12	Main Stage	250	Dramatic Theater "Sava Ogn...
13	Main Stage	320	Dramatic Theater "Stoyan B...
14	Main Stage	180	Dramatic Theater Lovech
15	Main Stage	430	Dramatic Theater Plovdiv
16	Main Stage	290	Municipal Dramatic Theater "...
17	Main Stage	780	National Theater "Ivan Vazov"
18	Main Stage	190	Theater "Balgaran"
19	Main Stage	250	Theater Laboratory Sfumato
20	Stage "Aleksandar Gy...	240	Dramatic Theater "Ivan Rad...
21	Summer Stage	100	Dramatic Theater Plovdiv

SELECT * FROM Actors

Results		Messages			
	Name	BirthDate	Gender	HomeTown	Country
1	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria
2	Antoaneta Dobрева	1975-09-14	F	Sofia	Bulgaria
3	Asen Blatechki	1971-03-21	M	Sofia	Bulgaria
4	Desislava Bakard...	1978-11-04	F	Sofia	Bulgaria
5	Dilyana Popova	1981-09-24	F	Gulyantsi	Bulgaria
6	Elena Petrova	1975-11-01	F	Sofia	Bulgaria
7	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria
8	Georgi Mamalev	1952-08-05	M	Mamarch...	Bulgaria
9	Hristo Mutafchiev	1969-04-04	M	Karlovo	Bulgaria
10	Ivan Yurukov	1978-05-27	M	Sandanski	Bulgaria
11	Ivaylo Zahariev	1984-10-04	M	Sofia	Bulgaria
12	Julian Vergov	1970-07-15	M	Sofia	Bulgaria
13	Kalin Samenov	1963-05-25	M	Sofia	Bulgaria
14	Kalin Vrachanski	1981-06-09	M	Cherven ...	Bulgaria
15	Krastiu Lafazanov	1961-07-18	M	Vama	Bulgaria
16	Louise Grigorova	1990-06-07	F	Pemik	Bulgaria
17	Lyubomir Neykov	1972-02-07	M	Cherven ...	Bulgaria
18	Malin Krustev	1970-04-23	M	Sofia	Bulgaria
19	Maya Bejanska	1972-05-19	F	Blagoevg...	Bulgaria
20	Nencho Balabanov	1980-04-17	M	Kotel	Bulgaria
21	Nencho Ilchev	1972-05-03	M	Momchilo...	Bulgaria
22	Philip Avramov	1974-09-09	M	Sofia	Bulgaria
23	Ralitsa Paskaleva	1989-09-20	F	Ruse	Bulgaria
24	Ruslan Mynov	1976-11-15	M	Ishmael	Ukraine
25	Stefan Lulchev	1969-08-28	F	Sofia	Bulgaria

SELECT * FROM Performances

	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country
1	#MyHusbandsFault	Liza Shopova	60	2020-02-05	Comedy	NULL	Antonia Popova	Elena Spasova	Bulgaria
2	A Nice Lady in a ...	Yurii Dachev	90	2019-11-07	Drama	12	Yurii Dachev	Radina Bliznakova	Bulgaria
3	Albena	Krasimir Sp...	115	2017-03-16	Drama	NULL	Krasimir Vulka...	Mariya Dimanova	Bulgaria
4	An Ideal Husband	Tieri Arkur	100	2007-05-18	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria
5	Dekameron	Diana Dobr...	125	2017-02-21	NULL	NULL	Nina Pashova	NinaPashova	Bulgaria
6	Dom Juan	Alexander ...	170	2006-09-29	Comedy	12	Alexander Mor...	Marina Raychino...	Bulgaria
7	For Mice And Men	Asen Blatec...	130	2012-02-21	Drama	NULL	Elena Ivanova	Elena Ivanova	Bulgaria
8	I Pay	Vladlen Ale...	120	2010-10-30	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria
9	Karakoncolos	Stoyan Rad...	80	2020-01-21	Mono...	12	Elitsa Georgieva	Elitsa Georgieva	Bulgaria
10	Love, love, love	Krasimir Sp...	95	2018-08-21	NULL	NULL	Krasimir Vulka...	Maria Dimanova	Bulgaria
11	Network	Andrey Avr...	100	2019-12-16	Satire ...	NULL	Antonia Popova	Elena Spasova	Bulgaria
12	One night with you	Krasimir Sp...	115	2018-02-21	Drama	NULL	Krasimir Vulka...	Krasimir Vulkanov	Bulgaria
13	Peach Thief	Boyko Iliev	90	2008-12-19	Drama	12	Nina Pashova	Nina Pashova	Bulgaria
14	Spinach with pota...	Bogdan Pet...	110	2016-10-25	Comedy	NULL	Petio Nachev	NULL	Bulgaria
15	Sweetie	Emil Bonev	120	2020-02-20	Musical	12	Elena Ivanova	Elena Ivanova	Bulgaria
16	The chicken that ...	Ivan Yurukov	90	2010-09-25	NULL	NULL	Aleksandur Ur...	NULL	Bulgaria
17	The Credit	Bina Harala...	115	2018-06-21	Drama	12	Petya Stoykova	Velina Kokalova	Bulgaria
18	The Goat or Who...	Yavor Gardev	115	2009-10-11	Drama	16	Nikola Torom...	Nikola Toromanov	Bulgaria
19	The Son	Diana Dobr...	110	2020-01-18	Drama	12	Mira Kalanova	Mira Kalanova	Bulgaria
20	The Spirit of the P...	Margarita M...	75	2013-04-07	Drama	14	Daniela Oleg ...	Daniela Oleg Lya...	Bulgaria
21	Uncle Vanya	Nikolay La...	115	2020-02-21	Drama	12	Nikolay Lambr...	Chayka Petrushe...	Bulgaria
22	When Thunder St...	Bina Harala...	100	2019-03-25	Drama	12	Svila Velichko...	Svila Velichkova	Bulgaria

SELECT * FROM StarsIn

	PerformanceName	PremiereDate	ActorName
1	#MyHusbandsFault	2020-02-05	Silviya Lulcheva
2	A Nice Lady in a Bad Company	2019-11-07	Krastiu Lafazanov
3	Albena	2017-03-16	Evelin Kostova
4	An Ideal Husband	2007-05-18	Ivan Yurukov
5	An Ideal Husband	2007-05-18	Julian Vergov
6	An Ideal Husband	2007-05-18	Vladimir Karama...
7	Dekameron	2017-02-21	Antoaneta Dobr...
8	Dom Juan	2006-09-29	Julian Vergov
9	Dom Juan	2006-09-29	Philip Avramov
10	For Mice And Men	2012-02-21	Asen Blatechki
11	For Mice And Men	2012-02-21	Kalin Vrachanski
12	I pay	2010-10-30	Georgi Mamalev
13	Karakoncolos	2020-01-21	Valeri Yordanov
14	Love, Love, Love	2018-08-21	Antoaneta Dobr...
15	Love, Love, Love	2018-08-21	Evelin Kostova
16	Network	2019-12-16	Kalin Samenov
17	Network	2019-12-16	Malin Krustev
18	One night with you	2018-02-21	Evelin Kostova
19	Peach Thief	2008-12-19	Julian Vergov
20	Spinach with potatoes	2016-10-25	Asen Blatechki
21	Spinach with potatoes	2016-10-25	Julian Vergov
22	Spinach with potatoes	2016-10-25	Zahari Baharov
23	Sweetie	2020-02-20	Sofia Bobcheva
24	The chicken that says KU	2010-09-25	Ivan Yurukov
25	The Credit	2018-06-21	Asen Blatechki

SELECT * FROM Schedule

	PerformanceName	PremiereDate	TheaterName	HallName	Date	StartAt	EndAt	isMoving	SoldTickets	HomeTheater
1	Spinach with potatoes	2016-10-25	Aleko Konstantinov Theater of Satire	Main Stage	2020-03-06	19:00	20:50	NO	NO	NULL
2	#MyHusbandsFault	2020-02-05	Aleko Konstantinov Theater of Satire	Comedy ...	2020-03-15	13:30	14:30	NO	YES	NULL
3	Network	2019-12-16	Aleko Konstantinov Theater of Satire	Main Stage	2020-03-15	17:00	18:40	NO	NO	NULL
4	Network	2019-12-16	Aleko Konstantinov Theater of Satire	Main Stage	2020-03-27	19:00	20:40	NO	NO	NULL
5	Love, love, love	2018-08-21	Bulgarian Navy Theater	Chamber ...	2020-03-14	19:00	20:35	NO	NO	NULL
6	Albena	2017-03-16	Bulgarian Navy Theater	Chamber ...	2020-03-16	21:00	22:50	NO	NO	NULL
7	Dekameron	2017-02-21	Bulgarian Navy Theater	Chamber ...	2020-03-28	18:30	20:35	NO	NO	NULL
8	The Credit	2018-06-21	Dramatic Theater "Geo Milev"	Main Stage	2020-03-20	19:00	20:50	YES	NO	Dramatic T...
9	When Thunder Strik...	2019-03-25	Dramatic Theater "Ivan Radoev"	Stage "Al...	2020-03-11	15:30	17:10	YES	NO	National Th...
10	A Nice Lady in a Ba...	2019-11-07	Dramatic Theater "Ivan Radoev"	Stage "Al...	2020-03-13	14:00	15:30	YES	NO	National Th...
11	For Mice And Men	2012-02-21	Dramatic Theater "Ivan Radoev"	Stage "Al...	2020-03-16	18:30	20:40	YES	NO	Municipal D...
12	A Nice Lady in a Ba...	2019-11-07	Dramatic Theater "Sava Ognyanov"	Chamber ...	2020-03-10	19:00	20:30	YES	YES	National Th...
13	An Ideal Husband	2007-05-18	Dramatic Theater "Sava Ognyanov"	Main Stage	2020-03-28	18:35	20:15	YES	NO	National Th...
14	The Son	2020-01-18	Dramatic Theater "Stoyan Bachvar...	Main Stage	2020-03-13	19:00	20:50	YES	NO	National Th...
15	Peach Thief	2008-12-19	Dramatic Theater Lovech	Main Stage	2020-03-02	19:00	20:30	YES	NO	National Th...
16	An Ideal Husband	2007-05-18	Dramatic Theater Lovech	Main Stage	2020-03-09	21:30	23:10	YES	NO	National Th...
17	Dom Juan	2006-09-29	Dramatic Theater Plovdiv	Main Stage	2020-03-25	17:30	20:20	YES	NO	National Th...
18	Spinach with potatoes	2016-10-25	Municipal Dramatic Theater "Boya...	Main Stage	2020-03-10	17:30	19:20	YES	NO	Aleko Konst...
19	An Ideal Husband	2007-05-18	National Theater "Ivan Vazov"	Main Stage	2020-03-02	17:30	19:10	NO	NO	NULL
20	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber ...	2020-03-04	18:00	19:55	NO	NO	NULL
21	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber ...	2020-03-09	17:00	18:55	NO	YES	NULL
22	A Nice Lady in a Ba...	2019-11-07	National Theater "Ivan Vazov"	Chamber ...	2020-03-11	11:00	12:30	NO	NO	NULL
23	Sweetie	2020-02-20	National Theater "Ivan Vazov"	Apostol K...	2020-03-12	15:30	17:30	NO	NO	NULL
24	Karakoncolos	2020-01-21	National Theater "Ivan Vazov"	Apostol K...	2020-03-13	18:30	19:50	NO	YES	NULL
25	Peach Thief	2008-12-19	National Theater "Ivan Vazov"	Chamber ...	2020-03-14	16:30	18:00	NO	NO	NULL

SELECT * FROM Attendences

	PerformanceName	PremiereDate	TheaterName	HallName	Date	SoldTickets
1	#MyHusbandsFault	2020-02-05	Aleko Konstantinov Theater of Satire	Comedy Bar Happy	2020-02-05	200
2	#MyHusbandsFault	2020-02-05	Aleko Konstantinov Theater of Satire	Comedy Bar Happy	2020-02-10	197
3	Network	2019-12-16	Aleko Konstantinov Theater of Satire	Main Stage	2020-02-12	483
4	The chicken that ...	2010-09-25	Aleko Konstantinov Theater of Satire	Main Stage	2020-02-12	576
5	Peach Thief	2008-12-19	Aleko Konstantinov Theater of Satire	Chamber Hall "M...	2020-02-16	80
6	Spinach with pota...	2016-10-25	Aleko Konstantinov Theater of Satire	Main Stage	2020-02-20	500
7	Albena	2017-03-16	Bulgarian Navy Theater	Chamber Hall "Mi...	2020-02-16	278
8	Dekameron	2017-02-21	Bulgarian Navy Theater	Chamber Hall "Mi...	2020-02-18	238
9	One night with you	2018-02-21	Bulgarian Navy Theater	Chamber Hall "Mi...	2020-02-22	263
10	A Nice Lady in a ...	2019-11-07	Dramatic Theater "Geo Milev"	Chamber Hall	2020-02-17	137
11	Spinach with pota...	2016-10-25	Dramatic Theater "Geo Milev"	Main Stage	2020-02-22	320
12	Uncle Vanya	2020-02-21	Dramatic Theater "Geo Milev"	Chamber Hall	2020-02-28	149
13	The Credit	2018-06-21	Dramatic Theater "Sava Ognyanov"	Chamber Hall "Sl...	2020-02-20	65
14	Spinach with pota...	2016-10-25	Dramatic Theater "Sava Ognyanov"	Main Stage	2020-02-25	213
15	Spinach with pota...	2016-10-25	Dramatic Theater "Stoyan Bachvar...	Main Stage	2020-02-28	274
16	Dom Juan	2006-09-29	Dramatic Theater Lovech	Main Stage	2020-02-28	164
17	Spinach with pota...	2016-10-25	Dramatic Theater Plovdiv	Main Stage	2020-02-21	400
18	A Nice Lady in a ...	2019-11-07	Dramatic Theater Plovdiv	Chamber Hall "Z...	2020-02-27	60
19	An Ideal Husband	2007-05-18	Municipal Dramatic Theater "Boya...	Main Stage	2020-02-11	280
20	For Mice And Men	2012-02-21	Municipal Dramatic Theater "Boya...	Main Stage	2020-02-16	241
21	The Son	2020-01-18	Municipal Dramatic Theater "Boya...	Main Stage	2020-02-27	257
22	The Spirit of the P...	2013-04-07	National Theater "Ivan Vazov"	Chamber Hall	2020-02-03	99
23	I Pay	2010-10-30	National Theater "Ivan Vazov"	Chamber Hall	2020-02-04	75
24	Sweetie	2020-02-20	National Theater "Ivan Vazov"	Apostol Karamite...	2020-02-07	87
25	Dom Juan	2006-09-29	National Theater "Ivan Vazov"	Main Stage	2020-02-09	497

Results		Messages	
	Code	Name	Region
1	2700	Blagoevgrad	Blagoevgrad
2	8000	Burgas	Burgas
3	7100	Byala	Ruse
4	9101	Byala	Vama
5	3400	Dimitrovgrad	Haskovo
6	9300	Dobrich	Dobrich
7	5300	Gabrovo	Gabrovo
8	5100	Goma Oryahovitsa	Veliko Tamovo
9	6300	Haskovo	Haskovo
10	5900	Levski	Pleven
11	5500	Lovech	Lovech
12	8230	Nessebar	Burgas
13	4400	Pazardzhik	Pazardzhik
14	2300	Pemik	Pemik
15	5800	Pleven	Pleven
16	4000	Plovdiv	Plovdiv
17	7000	Ruse	Ruse
18	1000	Sofia	Sofia
19	6000	Stara Zagora	Stara Zagora
20	5600	Troyan	Lovech
21	9000	Vama	Vama
22	5000	Veliko Tamovo	Veliko Tamovo
23	3700	Vidin	Vidin
24	3000	Vratsa	Vratsa
25	2790	Yakoruda	Blagoevgrad

Results		Messages					
	PerformanceName	PremiereDate	TheaterName	HallName	Price	Discount	Date
1	#MyHusbandsFault	2020-02-05	Aleko Konstantinov Theater of Satire	Comedy Bar Happy	30	0	2020-02-05
2	#MyHusbandsFault	2020-02-05	Aleko Konstantinov Theater of Satire	Comedy Bar Happy	30	0	2020-02-10
3	#MyHusbandsFault	2020-02-05	Aleko Konstantinov Theater of Satire	Comedy Bar Happy	30	20	2020-03-15
4	A Nice Lady in a ...	2019-11-07	National Theater "Ivan Vazov"	Chamber Hall	20	10	2020-02-09
5	A Nice Lady in a ...	2019-11-07	Theater Laboratory Sfumat	Chamber Hall	20	10	2020-02-15
6	A Nice Lady in a ...	2019-11-07	Dramatic Theater "Geo Milev"	Chamber Hall	20	10	2020-02-17
7	A Nice Lady in a ...	2019-11-07	Dramatic Theater Plovdiv	Chamber Hall "Z...	20	10	2020-02-27
8	A Nice Lady in a ...	2019-11-07	Dramatic Theater "Sava Ognryanov"	Chamber Hall "Sl...	20	0	2020-03-10
9	A Nice Lady in a ...	2019-11-07	National Theater "Ivan Vazov"	Chamber Hall	20	0	2020-03-11
10	A Nice Lady in a ...	2019-11-07	Dramatic Theater "Ivan Radoev"	Stage "Aleksand...	20	0	2020-03-13
11	Albena	2017-03-16	Bulgarian Navy Theater	Chamber Hall "Mi...	25	25	2020-02-16
12	Albena	2017-03-16	Bulgarian Navy Theater	Chamber Hall "Mi...	35	0	2020-03-16
13	An Ideal Husband	2007-05-18	Municipal Dramatic Theater "Boya...	Main Stage	20	20	2020-02-11
14	An Ideal Husband	2007-05-18	National Theater "Ivan Vazov"	Main Stage	20	0	2020-02-28
15	An Ideal Husband	2007-05-18	National Theater "Ivan Vazov"	Main Stage	25	20	2020-03-02
16	An Ideal Husband	2007-05-18	Dramatic Theater Lovech	Main Stage	25	0	2020-03-09
17	An Ideal Husband	2007-05-18	National Theater "Ivan Vazov"	Main Stage	20	50	2020-03-22
18	An Ideal Husband	2007-05-18	Dramatic Theater "Sava Ognryanov"	Main Stage	30	75	2020-03-28
19	Dekameron	2017-02-21	Bulgarian Navy Theater	Chamber Hall "Mi...	15	0	2020-02-18
20	Dekameron	2017-02-21	Bulgarian Navy Theater	Chamber Hall "Mi...	20	0	2020-03-28
21	Dom Juan	2006-09-29	National Theater "Ivan Vazov"	Main Stage	20	0	2020-02-08
22	Dom Juan	2006-09-29	Dramatic Theater Lovech	Main Stage	25	20	2020-02-28
23	Dom Juan	2006-09-29	Theater "Balgaran"	Main Stage	20	0	2020-03-08
24	Dom Juan	2006-09-29	Dramatic Theater Plovdiv	Main Stage	20	20	2020-03-25
25	Dom Juan	2006-09-29	National Theater "Ivan Vazov"	Main Stage	20	15	2020-03-21

```
SELECT * FROM Tickets
SELECT * FROM Cities
```

Примерни заявки:

Прости заявки (5 бр.)

1. Заявка, която извежда информация за представленията, които ще се играят на 16ти март.

```
SELECT*
FROM Schedule
WHERE Date LIKE '%-03-16';
```

	PerformanceName	PremiereDate	TheaterName	HallName	Date	StartAt	EndAt	isMoving	SoldTickets	Home Theater
1	Albena	2017-03-16	Bulgarian Navy Theater	Chamber Hall "Mirace"	2020-03-16	21:00	22:50	NO	NO	NULL
2	For Mice And Men	2012-02-21	Dramatic Theater "Ivan Radoev"	Stage "Aleksandar Gyuurov"	2020-03-16	18:30	20:40	YES	NO	Municipal Dramatic
3	The chicken that..	2010-09-25	National Theater "Ivan Vazov"	Main Stage	2020-03-16	19:00	20:30	YES	NO	National palace of c

2. Заявка, която извежда информация за представленията, които са се играли в 'Aleko Konstantinov Theater of Satire'.

```
SELECT PerformanceName, PremiereDate, HallName, Date, SoldTickets
FROM Attendences
WHERE TheaterName = 'Aleko Konstantinov Theater of Satire';
```

	PerformanceName	PremiereDate	HallName	Date	SoldTickets
1	#MyHusbandsFault	2020-02-05	Comedy Bar Happy	2020-02-05	200
2	#MyHusbandsFault	2020-02-05	Comedy Bar Happy	2020-02-10	197
3	Network	2019-12-16	Main Stage	2020-02-12	483
4	The chicken that ...	2010-09-25	Main Stage	2020-02-12	576
5	Peach Thief	2008-12-19	Chamber Hall "M...	2020-02-16	80
6	Spinach with pota...	2016-10-25	Main Stage	2020-02-20	500

3. Заявка, която извежда информация за актьорите(мъже), които са родени в София.

```
SELECT*
FROM Actors
WHERE HomeTown = 'Sofia' AND Gender = 'M';
```

	Name	BirthDate	Gender	HomeTown	Country
1	Asen Blatechki	1971-03-21	M	Sofia	Bulgaria
2	Ivaylo Zahariev	1984-10-04	M	Sofia	Bulgaria
3	Julian Vergov	1970-07-15	M	Sofia	Bulgaria
4	Kalin Samenov	1963-05-25	M	Sofia	Bulgaria
5	Malin Krustev	1970-04-23	M	Sofia	Bulgaria
6	Philip Avramov	1974-09-09	M	Sofia	Bulgaria
7	Valeri Yordanov	1974-02-22	M	Sofia	Bulgaria
8	Vasil Draganov	1975-11-06	M	Sofia	Bulgaria
9	Vladimir Kara...	1979-04-27	M	Sofia	Bulgaria
10	Vladimir Penev	1958-10-24	M	Sofia	Bulgaria
11	Zahari Baharov	1980-08-12	M	Sofia	Bulgaria

4. Заявка, която извежда представления, които имат възрастово ограничение поне 12 години.

```
SELECT *
FROM Performances
WHERE AgeLimit >= 12;
```

	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country
1	A Nice Lady in a Bad Company	Yurii Dachev	90	2019-11-07	Drama	12	Yurii Dachev	Radina Bliznakova	Bulgaria
2	An Ideal Husband	Tieri Arkur	100	2007-05-18	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria
3	Dom Juan	Alexander ...	170	2006-09-29	Comedy	12	Alexander M...	Marina Raychino...	Bulgaria
4	I Pay	Vladlen Ale...	120	2010-10-30	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria
5	Karakoncolos	Stoyan Ra...	80	2020-01-21	Mono...	12	Elitsa Georgi...	Elitsa Georgieva	Bulgaria
6	Peach Thief	Boyko Iliev	90	2008-12-19	Drama	12	Nina Pashova	Nina Pashova	Bulgaria
7	Sweetie	Emil Bonev	120	2020-02-20	Musical	12	Elena Ivanova	Elena Ivanova	Bulgaria
8	The Credit	Bina Haral...	115	2018-06-21	Drama	12	Petya Stoyk...	Velina Kokalova	Bulgaria
9	The Goat or Who Is Sylvia?	Yavor Gar...	115	2009-10-11	Drama	16	Nikola Toro...	Nikola Toromanov	Bulgaria
10	The Son	Diana Dob...	110	2020-01-18	Drama	12	Mira Kalanova	Mira Kalanova	Bulgaria
11	The Spirit of the Poet	Margarita ...	75	2013-04-07	Drama	14	Daniela Oleg...	Daniela Oleg Lya...	Bulgaria
12	Uncle Vanya	Nikolay La...	115	2020-02-21	Drama	12	Nikolay Lam...	Chayka Petrushe...	Bulgaria
13	When Thunder Strikes, The ...	Bina Haral...	100	2019-03-25	Drama	12	Svila Velichk...	Svila Velichkova	Bulgaria

5. Заявка, която извежда гостуващите представления, които оригинално се играят в Народния театър.

```
SELECT DISTINCT PerformanceName, PremiereDate
FROM Schedule
WHERE HomeTheater = 'National Theater "Ivan Vazov"';
```

	PerformanceName	PremiereDate
1	A Nice Lady in a Bad Company	2019-11-07
2	An Ideal Husband	2007-05-18
3	Dom Juan	2006-09-29
4	Peach Thief	2008-12-19
5	The Son	2020-01-18
6	When Thunder Strikes, The ...	2019-03-25

Заявки върху две или повече релации (5 бр.)

1. Заявка, която извежда представленията, в които участва поне една жена.

```
SELECT PerformanceName, PremiereDate
FROM StarsIn, Actors
WHERE ActorName = Actors.Name AND Actors.Gender = 'F';
```

	PerformanceName	PremiereDate
1	#MyHusbandsFault	2020-02-05
2	Albena	2017-03-16
3	Dekameron	2017-02-21
4	Love, Love, Love	2018-08-21
5	Love, Love, Love	2018-08-21
6	One night with you	2018-02-21
7	Sweetie	2020-02-20

2. Заявка, която извежда имената на всички постановки с дължина, по-голяма от дължината на постановката 'Sweetie'

```
SELECT P1.NAME, P1.PremiereDate, P1.Duration
FROM Performances as P1, Performances as P2
WHERE P2.Name = 'Sweetie' and P1.Duration > P2.Duration;
```

	NAME	PremiereDate	Duration
1	Dekameron	2017-02-21	125
2	Dom Juan	2006-09-29	170
3	For Mice ...	2012-02-21	130

3. Заявка, която извежда имената на актьорите участвали и в 'An Ideal Husband' и в 'Spinach with potatoes'


```

SELECT ActorName
FROM StarsIn
WHERE PerformanceName = 'Spinach with potatoes'
INTERSECT
SELECT ActorName
FROM StarsIn
WHERE PerformanceName = 'An Ideal Husband';

```

	ActorName
1	Julian Vergov

4. Заявка, която извежда залите, които имат повече места от ‘Stage “Aleksandar Gyurov”’ в ‘Dramatic Theater “Иван Радоев”’

```

SELECT DISTINCT H1.TheaterName, H1.HallName FROM Halls AS H1, Halls AS H2
WHERE H1.Capacity AND H2.HallName = ‘Stage “Aleksandar Gyurov”’ AND
H2.TheaterName = ‘Dramatic Theater “Иван Радоев”’;

```

5. Заявка, която извежда общият приход от билети за всяка постановка.

```

SELECT A.PerformanceName, A.PremiereDate, A.Date, (T.Price – (T.Discount/100) * T.Price) *
A.SoldTickets AS TotalIncome FROM Tickets AS T, Attendances AS A WHERE T.PerformanceName
= A.PerformanceName AND T.PremiereDate = A.PremiereDate AND A.Date = T.Date

```

	PerformanceName	PremiereDate	Date	TotalIncome
1	#MyHusbandsFault	2020-02-05	2020-02-05	6000
2	#MyHusbandsFault	2020-02-05	2020-02-10	5910
3	Network	2019-12-16	2020-02-12	13041
4	The chicken that says KU	2010-09-25	2020-02-12	17280
5	Peach Thief	2008-12-19	2020-02-16	800
6	Spinach with potatoes	2016-10-25	2020-02-20	7500
7	Albena	2017-03-16	2020-02-16	5212.5
8	Dekameron	2017-02-21	2020-02-18	3570
9	One night with you	2018-02-21	2020-02-22	3945
10	A Nice Lady in a Bad Company	2019-11-07	2020-02-17	2466
11	Spinach with potatoes	2016-10-25	2020-02-22	6400
12	Uncle Vanya	2020-02-21	2020-02-28	2235
13	The Credit	2018-06-21	2020-02-20	1300
14	Spinach with potatoes	2016-10-25	2020-02-25	4260
15	Spinach with potatoes	2016-10-25	2020-02-28	5480
16	Dom Juan	2006-09-29	2020-02-28	3280
17	Spinach with potatoes	2016-10-25	2020-02-21	10000
18	A Nice Lady in a Bad Company	2019-11-07	2020-02-27	1080
19	An Ideal Husband	2007-05-18	2020-02-11	4480
20	For Mice And Men	2012-02-21	2020-02-16	4338

21	The Son	2020-01-18	2020-02-27	5397
22	The Spirit of the Poet	2013-04-07	2020-02-03	1980
23	I Pay	2010-10-30	2020-02-04	1500
24	Sweetie	2020-02-20	2020-02-07	2175
25	Dom Juan	2006-09-29	2020-02-08	9940
26	A Nice Lady in a Bad Company	2019-11-07	2020-02-09	2178
27	Peach Thief	2008-12-19	2020-02-10	2240
28	When Thunder Strikes, The E...	2019-03-25	2020-02-11	2260
29	Peach Thief	2008-12-19	2020-02-12	1000
30	Karakoncolos	2020-01-21	2020-02-13	2640
31	The Son	2020-01-18	2020-02-15	19110
32	Peach Thief	2008-12-19	2020-02-19	1664
33	Sweetie	2020-02-20	2020-02-20	2640
34	Uncle Vanya	2020-02-21	2020-02-21	3900
35	Sweetie	2020-02-20	2020-02-22	2610
36	Uncle Vanya	2020-02-21	2020-02-23	3250
37	Uncle Vanya	2020-02-21	2020-02-25	2500
38	Uncle Vanya	2020-02-21	2020-02-26	2032
39	An Ideal Husband	2007-05-18	2020-02-28	10000
40	A Nice Lady in a Bad Company	2019-11-07	2020-02-15	1530
41	Love, love, love	2018-08-21	2020-02-15	4140

Подзаявки (5 бр.)

1. Напишете заявка, която извежда името, залата, театърът, в който се провежда, цената на представлението, намалението и крайната цена (при въведено намаление ще има промяна в цената) на всички представления, чиято крайна цена (на представление) е над средната, сортирана възходящо.

```
SELECT PerformanceName, HallName, TheaterName, Price, Discount,
Price - Price * Discount/100 as RealPrice, Date
FROM Tickets
WHERE Price - Price * Discount/100 >= (SELECT AVG(Price - Price * Discount/100)
FROM Tickets)
ORDER BY Price ASC, PerformanceName ASC
```


Results		Messages
	Name	
1	Aleko Konstantinov Theater of Satire	
2	Bulgarian Navy Theater	
3	National Theater "Ivan Vazov"	
4	Theater Laboratory Sfumato	

3. Напишете заявка, която извежда имената на актьорите, които играят в представление, по-дълго от 120 мин и името на представлението.

```
SELECT ActorName, PerformanceName
FROM StarsIn
WHERE PerformanceName IN (SELECT Performances.Name
                           FROM Performances
                           WHERE Duration > 120)
```

	Name
1	Aleko Konstantinov Theater of Satire
2	Bulgarian Navy Theater
3	National Theater "Ivan Vazov"
4	Theater Laboratory Sfumato

4. Напишете заявка, която извежда името и продуцентът на представленията с продължителност над 100 мин, в които участва 'Julian Vergov'

```
SELECT Performances.Name, Performances.Producer
FROM Performances
WHERE Duration > 100
AND
Performances.Name IN (SELECT StarsIn.PerformanceName
                       FROM StarsIn
                       WHERE STARSIN.ActorName LIKE 'Julian Vergov')
```

5. Напишете заявка, която извежда информацията, за представление, проведено в град, чийто пощенски код е 4000.

```
SELECT Schedule.PerformanceName, Schedule.TheaterName, Schedule.HallName, Schedule.Date,
Schedule.StartAt
FROM Schedule
```

Results Messages		
	Name	Producer
1	Dom Juan	Alexander Morfov
2	Spinach with potatoes	Bogdan Petkanin
3	The Goat or Who Is Sylvia?	Yavor Gardev

WHERE TheaterName IN (SELECT Theaters.Name
FROM Theaters JOIN Cities on Theaters.City LIKE Cities.Name AND
Theaters.Region LIKE Cities.Region
WHERE Code LIKE 4000)

	PerformanceName	TheaterName	HallName	Date	StartAt
1	Dom Juan	Dramatic Theater Plovdiv	Main Stage	2020-03-25	17:30

Съединения (5 бр.)

1. Напишете заявка, която извежда обединението на таблиците Performances and StarsIn по име, като продължителността на постановката е над 120мин.

SELECT * FROM Performances p JOIN StarsIn s on p.Name = s.PerformanceName AND
p.Duration > 120 ;

Results Messages												
	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country	PerformanceName	PremiereDate	Act
1	Dekameron	Diana Dobrova	125	2017-02-21	NULL	NULL	Nina Pashova	NinaPashova	Bulgaria	Dekameron	2017-02-21	Ant
2	Dom Juan	Alexander Morfov	170	2006-09-29	Comedy	12	Alexander Morfov	Marina Raychinova	Bulgaria	Dom Juan	2006-09-29	Jul
3	Dom Juan	Alexander Morfov	170	2006-09-29	Comedy	12	Alexander Morfov	Marina Raychinova	Bulgaria	Dom Juan	2006-09-29	Phi
4	For Mice And Men	Asen Blatechki	130	2012-02-21	Drama	NULL	Elena Ivanova	Elena Ivanova	Bulgaria	For Mice And Men	2012-02-21	As
5	For Mice And Men	Asen Blatechki	130	2012-02-21	Drama	NULL	Elena Ivanova	Elena Ivanova	Bulgaria	For Mice And Men	2012-02-21	Kal

2. Напишете заявка, която извежда информация за театрите и залите в град София, където
капацитетът на залите е по-голям от 450

SELECT * FROM Theaters CROSS JOIN Halls WHERE Theaters.City = 'Sofia' AND
Halls.Capacity > 450;

Results Messages										
	Name	Year	Address	City	Region	PhoneNumber	Email	Name	Capacity	TheaterName
1	Aleko Konstantinov Theater of Satire	1957	Stefan Karadza 26	Sofia	Sofia	070020766	theaterOfSatireSofia@abv.bg	Main Stage	590	Aleko Konsta
2	Bulgarian Navy Theater	1936	Georgi Sava Rakovski 98	Sofia	Sofia	02 9872303	navyBulgarianTheater@gmail.com	Main Stage	590	Aleko Konsta
3	Metropolitan Puppet Theater	1946	Yanko Sakazov 19	Sofia	Sofia	02 9441424	theaterMetroPuppetSofia@abv.bg	Main Stage	590	Aleko Konsta
4	National palace of culture	1981	bul Bulgaria 1463	Sofia	Sofia	029166300	national_palace_of_culture@gm...	Main Stage	590	Aleko Konsta
5	National Theater "Ivan Vazov"	1962	Dyakon Ignatij 5	Sofia	Sofia	02 8119227	theaterIvanVazov@abv.bg	Main Stage	590	Aleko Konsta
6	Theater Laboratory Sfumato	2011	D. Grekov 2	Sofia	Sofia	02 9433890	theaterSfumato@gmail.com	Main Stage	590	Aleko Konsta
7	Aleko Konstantinov Theater of Satire	1957	Stefan Karadza 26	Sofia	Sofia	070020766	theaterOfSatireSofia@abv.bg	Main Stage	780	National The
8	Bulgarian Navy Theater	1936	Georgi Sava Rakovski 98	Sofia	Sofia	02 9872303	navyBulgarianTheater@gmail.com	Main Stage	780	National The
9	Metropolitan Puppet Theater	1946	Yanko Sakazov 19	Sofia	Sofia	02 9441424	theaterMetroPuppetSofia@abv.bg	Main Stage	780	National The
10	National palace of culture	1981	bul Bulgaria 1463	Sofia	Sofia	029166300	national_palace_of_culture@gm...	Main Stage	780	National The
11	National Theater "Ivan Vazov"	1962	Dyakon Ignatij 5	Sofia	Sofia	02 8119227	theaterIvanVazov@abv.bg	Main Stage	780	National The
12	Theater Laboratory Sfumato	2011	D. Grekov 2	Sofia	Sofia	02 9433890	theaterSfumato@gmail.com	Main Stage	780	National The

3. Напишете заявка, която извежда информация за представленията и актьорите, които участват в тях, където продължителността е поне 100 минути и жанрът е Комедия

```
SELECT * FROM Performances p INNER JOIN StarsIn s ON p.Name = s.PerformanceName AND
p.Duration >= 100 AND p.Genre = 'Comedy';
```

Results Messages												
	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country	PerformanceName	PremiereDate	ActorName
1	An Ideal Husband	Tieri Arkur	100	2007-05-18	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria	An Ideal Husband	2007-05-18	Ivan Yurukov
2	An Ideal Husband	Tieri Arkur	100	2007-05-18	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria	An Ideal Husband	2007-05-18	Julian Vergov
3	An Ideal Husband	Tieri Arkur	100	2007-05-18	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria	An Ideal Husband	2007-05-18	Vladimir Kar...
4	Dom Juan	Alexand...	170	2006-09-29	Comedy	12	Alexander M...	Marina Raychin...	Bulgaria	Dom Juan	2006-09-29	Julian Vergov
5	Dom Juan	Alexand...	170	2006-09-29	Comedy	12	Alexander M...	Marina Raychin...	Bulgaria	Dom Juan	2006-09-29	Philip Avra...
6	I Pay	Vladlen ...	120	2010-10-30	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria	I pay	2010-10-30	Georgi Ma...
7	Spinach with po...	Bogdan ...	110	2016-10-25	Comedy	NULL	Petio Nachev	NULL	Bulgaria	Spinach with pot...	2016-10-25	Asen Blate...
8	Spinach with po...	Bogdan ...	110	2016-10-25	Comedy	NULL	Petio Nachev	NULL	Bulgaria	Spinach with pot...	2016-10-25	Julian Vergov
9	Spinach with po...	Bogdan ...	110	2016-10-25	Comedy	NULL	Petio Nachev	NULL	Bulgaria	Spinach with pot...	2016-10-25	Zahari Bah...

4. Напишете заявка, която извежда информация за актьорите, които участват в представления и са родени в град София.

```
SELECT * FROM Actors a LEFT JOIN StarsIn s ON a.Name = s.ActorName AND a.HomeTown =
'Sofia';
```

Results		Messages						
	Name	BirthDate	Gender	HomeTown	Country	PerformanceName	PremiereDate	ActorName
1	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria	NULL	NULL	NULL
2	Antoaneta Dobрева	1975-09-14	F	Sofia	Bulgaria	Dekameron	2017-02-21	Antoaneta Dobрева
3	Antoaneta Dobрева	1975-09-14	F	Sofia	Bulgaria	Love, Love, Love	2018-08-21	Antoaneta Dobрева
4	Asen Blatechki	1971-03-21	M	Sofia	Bulgaria	For Mice And Men	2012-02-21	Asen Blatechki
5	Asen Blatechki	1971-03-21	M	Sofia	Bulgaria	Spinach with pot...	2016-10-25	Asen Blatechki
6	Asen Blatechki	1971-03-21	M	Sofia	Bulgaria	The Credit	2018-06-21	Asen Blatechki
7	Desislava Bakard...	1978-11-04	F	Sofia	Bulgaria	NULL	NULL	NULL
8	Dilyana Popova	1981-09-24	F	Gulyantsi	Bulgaria	NULL	NULL	NULL
9	Elena Petrova	1975-11-01	F	Sofia	Bulgaria	NULL	NULL	NULL
10	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria	Albena	2017-03-16	Evelin Kostova
11	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria	Love, Love, Love	2018-08-21	Evelin Kostova
12	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria	One night with you	2018-02-21	Evelin Kostova
13	Georgi Mamalev	1952-08-05	M	Mamarch...	Bulgaria	NULL	NULL	NULL
14	Hristo Mutaфchiev	1969-04-04	M	Karlovo	Bulgaria	NULL	NULL	NULL
15	Ivan Yurukov	1978-05-27	M	Sandanski	Bulgaria	NULL	NULL	NULL
16	Ivaylo Zaharieв	1984-10-04	M	Sofia	Bulgaria	NULL	NULL	NULL
17	Julian Vergov	1970-07-15	M	Sofia	Bulgaria	An Ideal Husband	2007-05-18	Julian Vergov
18	Julian Vergov	1970-07-15	M	Sofia	Bulgaria	Dom Juan	2006-09-29	Julian Vergov
19	Julian Vergov	1970-07-15	M	Sofia	Bulgaria	Peach Thief	2008-12-19	Julian Vergov
20	Julian Vergov	1970-07-15	M	Sofia	Bulgaria	Spinach with pot...	2016-10-25	Julian Vergov
21	Julian Vergov	1970-07-15	M	Sofia	Bulgaria	The Goat or Wh...	2009-10-11	Julian Vergov
22	Kalin Samenov	1963-05-25	M	Sofia	Bulgaria	Network	2019-12-16	Kalin Samenov
23	Kalin Vrachanski	1981-06-09	M	Cherven ...	Bulgaria	NULL	NULL	NULL
24	Krastiу Lafazanov	1961-07-18	M	Vama	Bulgaria	NULL	NULL	NULL

5. Напишете заявка, която извежда информация за билетите и миналите представления, чиито билети са били над 20 лв. и които са се играли в залата "Chamber Hall"

```
SELECT * FROM Tickets INNER JOIN Attendences ON Tickets.PerformanceName =
Attendences.PerformanceName AND Tickets.Price > 20 AND Halls.HallName = 'Chamber Hall';
```

	PerformanceName	PremiereDate	TheaterName	HallName	Price	Discount	Date	PerformanceName	PremiereDate	TheaterName
1	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	30	0	2020-02-21	Uncle Vanya	2020-02-21	Dramatic Theater "Geo Mile
2	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	25	0	2020-02-23	Uncle Vanya	2020-02-21	Dramatic Theater "Geo Mile
3	The Spirit of the ...	2013-04-07	National Theater "Ivan Vazov"	Chamber Hall	25	20	2020-03-30	The Spirit of the ...	2013-04-07	National Theater "Ivan Vazi
4	When Thunder ...	2019-03-25	National Theater "Ivan Vazov"	Chamber Hall	25	20	2020-03-31	When Thunder ...	2019-03-25	National Theater "Ivan Vazi
5	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	30	0	2020-02-21	Uncle Vanya	2020-02-21	National Theater "Ivan Vazi
6	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	25	0	2020-02-23	Uncle Vanya	2020-02-21	National Theater "Ivan Vazi
7	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	30	0	2020-02-21	Uncle Vanya	2020-02-21	National Theater "Ivan Vazi
8	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	25	0	2020-02-23	Uncle Vanya	2020-02-21	National Theater "Ivan Vazi
9	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	30	0	2020-02-21	Uncle Vanya	2020-02-21	National Theater "Ivan Vazi
10	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	25	0	2020-02-23	Uncle Vanya	2020-02-21	National Theater "Ivan Vazi
11	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	30	0	2020-02-21	Uncle Vanya	2020-02-21	National Theater "Ivan Vazi
12	Uncle Vanya	2020-02-21	National Theater "Ivan Vazov"	Chamber Hall	25	0	2020-02-23	Uncle Vanya	2020-02-21	National Theater "Ivan Vazi

Групиране и агрегация (10 бр.)

1. Заявка, която извежда средния броят продадени билети за всяко представление.

```
SELECT PERFORMANCENAME, PremiereDate, AVG(SOLDTICKETS) AS AvarageTickets
FROM Attendences
GROUP BY PerformanceName, PremiereDate;
```

	PERFORMANCENAME	PremiereDate	AvarageTickets
1	Dom Juan	2006-09-29	330
2	An Ideal Husband	2007-05-18	390
3	Peach Thief	2008-12-19	99
4	The chicken that says KU	2010-09-25	576
5	I Pay	2010-10-30	75
6	For Mice And Men	2012-02-21	241
7	The Spirit of the Poet	2013-04-07	99
8	Spinach with potatoes	2016-10-25	341
9	Dekameron	2017-02-21	238
10	Albena	2017-03-16	278
11	One night with you	2018-02-21	263
12	The Credit	2018-06-21	65
13	Love, love, love	2018-08-21	276
14	When Thunder Strikes, ...	2019-03-25	113
15	A Nice Lady in a Bad Co...	2019-11-07	100
16	Network	2019-12-16	483
17	The Son	2020-01-18	447
18	Karakoncolos	2020-01-21	88
19	#MyHusbandsFault	2020-02-05	198
20	Sweetie	2020-02-20	87
21	Uncle Vanya	2020-02-21	132

2. Заявка, която извежда най-евтиния билет без намаление, за всяко представление.

```

SELECT PERFORMANCENAME, PremiereDate, Min(Price) AS CheapestTicketPrice
FROM Tickets
GROUP BY PerformanceName, PremiereDate;

```

Results		Messages	
	PERFORMANCENAME	PremiereDate	CheapestTicketPrice
1	#MyHusbandsFault	2020-02-05	30
2	A Nice Lady in a Bad Company	2019-11-07	20
3	Albena	2017-03-16	25
4	An Ideal Husband	2007-05-18	20
5	Dekameron	2017-02-21	15
6	Dom Juan	2006-09-29	20
7	For Mice And Men	2012-02-21	20
8	I Pay	2010-10-30	20
9	Karakoncolos	2020-01-21	30
10	Love, love, love	2018-08-21	15
11	Network	2019-12-16	30
12	One night with you	2018-02-21	15
13	Peach Thief	2008-12-19	20
14	Spinach with potatoes	2016-10-25	15
15	Sweetie	2020-02-20	25
16	The chicken that says KU	2010-09-25	30
17	The Credit	2018-06-21	20
18	The Goat or Who Is Sylvia?	2009-10-11	20
19	The Son	2020-01-18	20
20	The Spirit of the Poet	2013-04-07	20
21	Uncle Vanya	2020-02-21	15
22	When Thunder Strikes, The ...	2019-03-25	20

3. Заявка, която извежда колко представления има на всяка дата.

```

SELECT Date, COUNT(PerformanceName) AS PerformanceCount
FROM Schedule
GROUP BY Date;

```

Results Messages		
	Date	PerformanceCount
1	2020-03-02	2
2	2020-03-04	1
3	2020-03-06	1
4	2020-03-08	1
5	2020-03-09	2
6	2020-03-10	2
7	2020-03-11	2
8	2020-03-12	1
9	2020-03-13	3
10	2020-03-14	2
11	2020-03-15	3
12	2020-03-16	3
13	2020-03-19	2
14	2020-03-20	1
15	2020-03-21	1
16	2020-03-22	1
17	2020-03-25	1
18	2020-03-27	1
19	2020-03-28	4
20	2020-03-29	1
21	2020-03-30	1
22	2020-03-31	2

4. Заявка, която извежда броят представления, с продължителност над 100 минути, чиято премиера е през 2020 година.

```
SELECT COUNT(Name) AS PerformanceCount
FROM Performances
WHERE Duration > 100 AND PremiereDate LIKE '2020%';
```

Results Messages	
	PerformanceCount
1	3

5. Заявка, която извежда името и пощенския код на града, в който са родени най-много актьори.

```
SELECT TOP 1 HomeTown, Cities.Code
FROM Actors LEFT JOIN Cities ON HomeTown = Cities.Name
GROUP BY HomeTown, Cities.Code
ORDER BY COUNT(HOMETOWN) DESC;
```

Results Messages		
	HomeTown	Code
1	Sofia	1000

6. Заявка, която извежда броят театри във всеки град, основани след 1915 година, подредени в намаляващ ред.

```
SELECT City, COUNT(T.Name) AS TheaterCount
FROM (SELECT *
      FROM Theaters
      WHERE YEAR > 1915) AS T
GROUP BY T.City
ORDER BY COUNT(T.Name) DESC;
```

Results Messages		
	City	TheaterCount
1	Sofia	6
2	Varna	3
3	Plovdiv	2
4	Ruse	1
5	Stara Zagora	1
6	Veliko Tarnovo	1
7	Vratsa	1
8	Blagoevgrad	1
9	Burgas	1
10	Dimitrovgrad	1
11	Dobrich	1
12	Gabrovo	1
13	Haskovo	1
14	Lovech	1
15	Pernik	1
16	Pleven	1

7. Заявка, която извежда броят на представленията, в които участва всеки актьор, ако те са повече от представленията, в които участва Филип Аврамов.

```
SELECT ActorName, COUNT(ActorName) AS PerformancesCount
FROM StarsIn
GROUP BY ActorName
HAVING COUNT(ActorName) > (SELECT COUNT(ActorName)
                             FROM StarsIn
                             WHERE ActorName = 'Philip Avramov');
```

Results Messages		
	ActorName	PerformancesCount
1	Antoaneta Dobreva	2
2	Asen Blatechki	3
3	Evelin Kostova	3
4	Ivan Yurukov	3
5	Julian Vergov	5
6	Kalin Vrachanski	2
7	Zahari Baharov	2

8. Заявка, която извежда името на всички театъра, броя зали в него и общият му капацитет, освен на най-малкия (по общ капацитет).

```
SELECT TheaterName, COUNT(Halls.Name) AS HallsCount, SUM(Capacity) AS TotalCapacity
FROM Halls
GROUP BY TheaterName
HAVING SUM(Capacity) > ANY( SELECT SUM(Capacity)
                             FROM Halls
                             GROUP BY TheaterName);
```

	TheaterName	HallsCount	TotalCapacity
1	Aleko Konstantinov Theater of Satire	3	890
2	Bulgarian Navy Theater	1	300
3	Dramatic Theater "Geo Milev"	2	520
4	Dramatic Theater "Ivan Radoev"	1	240
5	Dramatic Theater "Sava Ognyanov"	2	330
6	Dramatic Theater "Stoyan Bachvarov"	1	320
7	Dramatic Theater Plovdiv	3	600
8	Municipal Dramatic Theater "Boyan Danovski"	1	290
9	National Theater "Ivan Vazov"	3	998
10	Theater "Balgaran"	1	190
11	Theater Laboratory Sfumato	2	340

9. Заявка, която извежда името и рожденната дата на най-младата актриса.

```
SELECT Name, BirthDate
FROM Actors
WHERE Gender = 'F' AND BirthDate >= ALL(SELECT BirthDate FROM Actors WHERE
Gender = 'F');
```

	Name	BirthDate
1	Evelin Kostova	1993-09-20

10. Заявка, която извежда името, премиерната дата и броят на актьорите за тези постановки, в които участват най-много актьори.

```
SELECT Performances.Name, Performances.PremiereDate, COUNT(ActorName)
FROM Performances JOIN StarsIn ON PerformanceName = Name
GROUP BY Name, Performances.PremiereDate
HAVING COUNT(ActorName) >= ALL(SELECT COUNT(ActorName)
FROM Performances JOIN StarsIn ON PerformanceName = Name
GROUP BY Performances.Name, Performances.PremiereDate);
```

	Name	PremiereDate	(No column name)
1	An Ideal Husband	2007-05-18	3
2	Spinach with potatoes	2016-10-25	3

11. Заявка, която извежда броя билети предлагани на различна цена за всяко представление.

```
SELECT PERFORMANCENAME, PremiereDate, PRICE, COUNT(Price) AS CountForThePrice
FROM Tickets
GROUP BY PerformanceName, PremiereDate, Price;
```

	PERFORMANCENAME	PremiereDate	PRICE	CountForThePrice
1	#MyHusbandsFault	2020-02-05	30	3
2	A Nice Lady in a Bad Company	2019-11-07	20	7
3	Albena	2017-03-16	25	1
4	Albena	2017-03-16	35	1
5	An Ideal Husband	2007-05-18	20	3
6	An Ideal Husband	2007-05-18	25	2
7	An Ideal Husband	2007-05-18	30	1
8	Dekameron	2017-02-21	15	1
9	Dekameron	2017-02-21	20	1
10	Dom Juan	2006-09-29	20	4
11	Dom Juan	2006-09-29	25	1
12	For Mice And Men	2012-02-21	20	2
13	I Pay	2010-10-30	20	2
14	Karakoncolos	2020-01-21	30	3
15	Love, love, love	2018-08-21	15	2
16	Network	2019-12-16	30	3
17	One night with you	2018-02-21	15	2
18	Peach Thief	2008-12-19	20	6
19	Spinach with potatoes	2016-10-25	15	1
20	Spinach with potatoes	2016-10-25	20	5
21	Spinach with potatoes	2016-10-25	25	1
22	Sweetie	2020-02-20	25	3
23	Sweetie	2020-02-20	30	2
24	The chicken that says KU	2010-09-25	30	2
25	The Credit	2018-06-21	20	1

Ограничения на ниво таблици

Ограниченията на ниво таблици са поставени при самото добавяне на примерно съдържание

Изгледи

1. Създайте изглед, който извежда средния брой продадени билети за всяко представление

```
CREATE view vM_AverageSoldTickets
```

```
AS
```

```
SELECT PerformanceName, PremiereDate, AVG(SoldTickets) AS AvarageTickets
```

```
FROM Attendences
```

```
GROUP BY PerformanceName, PremiereDate;
```

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Views' folder under 'theater' is expanded, showing the view 'dbo.vM_AverageSoldTickets'. On the right, the SQL query editor shows the following code:

```
USE theater
GO

CREATE view vM_AverageSoldTickets
AS
SELECT PerformanceName, PremiereDate, AVG(SoldTickets) AS AvarageTickets
FROM Attendences
GROUP BY PerformanceName, PremiereDate;

SELECT * FROM vM_AverageSoldTickets
```

Below the query editor, the 'Results' tab is selected, displaying the following data:

	PerformanceName	PremiereDate	AvarageTickets
1	Dom Juan	2006-09-29	330
2	An Ideal Husband	2007-05-18	390
3	Peach Thief	2008-12-19	99
4	The chicken that says KU	2010-09-25	576
5	I Pay	2010-10-30	75
6	For Mice And Men	2012-02-21	241
7	The Spirit of the Poet	2013-04-07	99
8	Spinach with potatoes	2016-10-25	341
9	Dekameron	2017-02-21	238
10	Albena	2017-03-16	278
11	One night with you	2018-02-21	263
12	The Credit	2018-06-21	65
13	Love, love, love	2018-08-21	276
14	When Thunder Strikes, The Echo Fades	2019-03-25	113
15	A Nice Lady in a Bad Company	2019-11-07	100
16	Network	2019-12-16	483
17	The Son	2020-01-18	447
18	Karakoncolos	2020-01-21	88
19	#MyHusbandsFault	2020-02-05	198
20	Sweetie	2020-02-20	87
21	Uncle Vanya	2020-02-21	132

2. Създайте изглед, който извежда най-евтиния билет за всяко представление

CREATE view vM_CheapestTicket

AS

SELECT PERFORMANCENAME, PremiereDate, Min(Price) AS CheapestTicketPrice

FROM Tickets

GROUP BY PerformanceName, PremiereDate;

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Views' folder under 'theater' is also expanded, showing the view 'dbo.vM_CheapestTicket'. The right pane displays the SQL script for creating the view and querying it. The script is as follows:

```
USE theater
GO

CREATE view vM_CheapestTicket
AS
SELECT PERFORMANCENAME, PremiereDate, Min(Price) AS CheapestTicketPrice
FROM Tickets
GROUP BY PerformanceName, PremiereDate;

SELECT * FROM vM_CheapestTicket
```

Below the script, the 'Results' tab shows the output of the query. The results are displayed in a table with the following columns: PERFORMANCENAME, PremiereDate, and CheapestTicketPrice. The table contains 22 rows of data, with the first row highlighted.

	PERFORMANCENAME	PremiereDate	CheapestTicketPrice
1	#MyHusbandsFault	2020-02-05	30
2	A Nice Lady in a Bad Company	2019-11-07	20
3	Albena	2017-03-16	25
4	An Ideal Husband	2007-05-18	20
5	Dekameron	2017-02-21	15
6	Dom Juan	2006-09-29	20
7	For Mice And Men	2012-02-21	20
8	I Pay	2010-10-30	20
9	Karakoncolos	2020-01-21	30
10	Love, love, love	2018-08-21	15
11	Network	2019-12-16	30
12	One night with you	2018-02-21	15
13	Peach Thief	2008-12-19	20
14	Spinach with potatoes	2016-10-25	15
15	Sweetie	2020-02-20	25
16	The chicken that says KU	2010-09-25	30
17	The Credit	2018-06-21	20
18	The Goat or Who Is Sylvia?	2009-10-11	20
19	The Son	2020-01-18	20
20	The Spirit of the Poet	2013-04-07	20
21	Uncle Vanya	2020-02-21	15
22	When Thunder Strikes, The Echo Fades	2019-03-25	20

At the bottom of the interface, a status bar indicates that the query was executed successfully.

3. Създайте изглед, който извежда колко представления има на всяка дата

```
CREATE view vM_PerformanceCount
AS
SELECT Date, COUNT(PerformanceName) AS PerformanceCount
FROM Schedule
GROUP BY Date;
```

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Views' folder under 'theater' is also expanded, showing the newly created 'vM_PerformanceCount' view. The right pane displays the SQL script used to create the view and a query to select from it. The 'Results' tab shows the output of the query, which is a table with two columns: 'Date' and 'PerformanceCount'. The table contains 22 rows of data, showing the count of performances for each date from 2020-03-02 to 2020-03-31. A status bar at the bottom indicates that the query was executed successfully.

```
USE theater
GO

CREATE view vM_PerformanceCount
AS
SELECT Date, COUNT(PerformanceName) AS PerformanceCount
FROM Schedule
GROUP BY Date;

SELECT * FROM vM_PerformanceCount
```

	Date	PerformanceCount
1	2020-03-02	2
2	2020-03-04	1
3	2020-03-06	1
4	2020-03-08	1
5	2020-03-09	2
6	2020-03-10	2
7	2020-03-11	2
8	2020-03-12	1
9	2020-03-13	3
10	2020-03-14	2
11	2020-03-15	3
12	2020-03-16	3
13	2020-03-19	2
14	2020-03-20	1
15	2020-03-21	1
16	2020-03-22	1
17	2020-03-25	1
18	2020-03-27	1
19	2020-03-28	4
20	2020-03-29	1
21	2020-03-30	1
22	2020-03-31	2

Query executed successfully.

4. Създайте изглед, който извежда 10 града с най-големия брой театри във всеки град, основани след 1915 година, подредени в намаляващ ред

```
CREATE view vM_TheatersCountInCities
AS
SELECT TOP 10 City, COUNT(T.Name) AS TheaterCount
FROM (SELECT *
      FROM Theaters
      WHERE YEAR > 1915) AS T
GROUP BY T.City
ORDER BY COUNT(T.Name) DESC;
```

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Views' folder under 'theater' is also expanded, listing several views, including 'dbo.vM_TheatersCountInCities'. The main pane on the right shows the SQL script for creating the view and querying it. The script is as follows:

```
CREATE view vM_TheatersCountInCities
AS
SELECT TOP 10 City, COUNT(T.Name) AS TheaterCount
FROM (SELECT *
      FROM Theaters
      WHERE YEAR > 1915) AS T
GROUP BY T.City
ORDER BY COUNT(T.Name) DESC;

SELECT * FROM vM_TheatersCountInCities
```

Below the script, the 'Results' tab is active, displaying the output of the query. The results are shown in a table with two columns: 'City' and 'TheaterCount'. The table lists the top 10 cities with the highest number of theaters founded after 1915, ordered in descending order of theater count.

	City	TheaterCount
1	Sofia	6
2	Varna	3
3	Plovdiv	2
4	Ruse	1
5	Pleven	1
6	Pernik	1
7	Lovech	1
8	Haskovo	1
9	Gabrovo	1
10	Dobrich	1

5. Създайте изглед, който извежда броя билети, предлагани на различна цена за всяко представление

```
CREATE view vM_NumberOfTicketsWithDifferentPrice
```

```
AS
```

```
SELECT PerformanceName, PremiereDate, Price, COUNT(Price) AS CountForThePrice
```

```
FROM Tickets
```

```
GROUP BY PerformanceName, PremiereDate, Price;
```

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'movies' database. The 'Views' folder is also expanded, showing the view 'dbo.vM_NumberOfTicketsWithDifferentPrice'. On the right, the SQL query editor shows the following code:

```
CREATE view vM_NumberOfTicketsWithDifferentPrice
AS
SELECT PerformanceName, PremiereDate, Price, COUNT(Price) AS CountForThePrice
FROM Tickets
GROUP BY PerformanceName, PremiereDate, Price;

SELECT * FROM vM_NumberOfTicketsWithDifferentPrice
```

Below the query editor, the 'Results' tab is selected, displaying the following data:

	PerformanceName	PremiereDate	Price	CountForThePrice
1	#MyHusbandsFault	2020-02-05	30	3
2	A Nice Lady in a Bad Company	2019-11-07	20	7
3	Albena	2017-03-16	25	1
4	Albena	2017-03-16	35	1
5	An Ideal Husband	2007-05-18	20	3
6	An Ideal Husband	2007-05-18	25	2
7	An Ideal Husband	2007-05-18	30	1
8	Dekameron	2017-02-21	15	1
9	Dekameron	2017-02-21	20	1
10	Dom Juan	2006-09-29	20	4
11	Dom Juan	2006-09-29	25	1
12	For Mice And Men	2012-02-21	20	2
13	I Pay	2010-10-30	20	2
14	Karakoncolos	2020-01-21	30	3
15	Love, love, love	2018-08-21	15	2
16	Network	2019-12-16	30	3
17	One night with you	2018-02-21	15	2
18	Peach Thief	2008-12-19	20	6
19	Spinach with potatoes	2016-10-25	15	1
20	Spinach with potatoes	2016-10-25	20	5
21	Spinach with potatoes	2016-10-25	25	1
22	Sweetie	2020-02-20	25	3
23	Sweetie	2020-02-20	30	2
24	The chicken that says KU	2010-09-25	30	2
25	The Credit	2018-06-21	20	1
26	The Credit	2018-06-21	25	1

6. Създайте изглед, който извежда представленията, в които участва поне една жена

```
CREATE view vM_PerformanceWithActresses
AS
SELECT PerformanceName, PremiereDate
FROM StarsIn, Actors
WHERE ActorName = Actors.Name AND Actors.Gender = 'F';
```

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'movies' database. The 'Views' folder under 'movies' is also expanded, listing several views, including 'dbo.vM_PerformanceWithActresses'. On the right, the SQL query editor shows the following code:

```
CREATE view vM_PerformanceWithActresses
AS
SELECT PerformanceName, PremiereDate
FROM StarsIn, Actors
WHERE ActorName = Actors.Name AND Actors.Gender = 'F';

SELECT * FROM vM_PerformanceWithActresses
```

Below the query editor, the 'Results' tab is active, displaying a table with 7 rows and 2 columns: 'PerformanceName' and 'PremiereDate'.

	PerformanceName	PremiereDate
1	#MyHusbandsFault	2020-02-05
2	Albena	2017-03-16
3	Dekameron	2017-02-21
4	Love, Love, Love	2018-08-21
5	Love, Love, Love	2018-08-21
6	One night with you	2018-02-21
7	Sweetie	2020-02-20

7. Създайте изглед, който извежда гостуващите представления, които оригинално се играят в Народния театър

```
CREATE view vM_PerformanceInNationalTheater
AS
SELECT DISTINCT PerformanceName, PremiereDate
FROM Schedule
WHERE HomeTheater = 'National Theater "Ivan Vazov"';
```

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Views' folder under 'theater' is also expanded, listing several views including 'dbo.vM_PerformanceInNationalTheater'. On the right, the SQL query editor shows the following code:

```
CREATE view vM_PerformanceInNationalTheater
AS
SELECT DISTINCT PerformanceName, PremiereDate
FROM Schedule
WHERE HomeTheater = 'National Theater "Ivan Vazov"';

SELECT * FROM vM_PerformanceInNationalTheater
```

Below the query editor, the 'Results' tab is active, displaying a table with 6 rows and 2 columns: 'PerformanceName' and 'PremiereDate'.

	PerformanceName	PremiereDate
1	A Nice Lady in a Bad Company	2019-11-07
2	An Ideal Husband	2007-05-18
3	Dom Juan	2006-09-29
4	Peach Thief	2008-12-19
5	The Son	2020-01-18
6	When Thunder Strikes, The Echo Fades	2019-03-25

8. Създайте изглед, който извежда пощенския код, името на града, името на областта, името на театъра и неговия адрес, където името на театъра започва с буквата "D".

```
CREATE view vMTheaters_with_D
AS
SELECT Cities.Code,
Cities.Name as City,
Cities.Region,
Theaters.Name as TheaterName,
Theaters.Address as TheaterAddress
FROM Cities
INNER JOIN Theaters ON Theaters.City = Cities.Name AND Theaters.Region = Cities.Region
WHERE Theaters.Name LIKE 'D%'
GROUP BY Cities.Code, Cities.Name, Cities.Region, Theaters.Name, Theaters.Address
```

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Views' folder under 'theater' is also expanded, listing several views including 'dbo.vMTheaters_with_D'. The main pane shows the SQL script for creating the view 'vMTheaters_with_D'. The script is as follows:

```
CREATE view vMTheaters with D
AS
SELECT Cities.Code,
Cities.Name as City,
Cities.Region,
Theaters.Name as TheaterName,
Theaters.Address as TheaterAddress
FROM Cities
INNER JOIN Theaters ON Theaters.City = Cities.Name AND Theaters.Region = Cities.Region
WHERE Theaters.Name LIKE 'D%'
GROUP BY Cities.Code, Cities.Name, Cities.Region, Theaters.Name, Theaters.Address
SELECT * FROM vMTheaters_with_D
```

Below the script, the 'Results' tab shows the output of the query. The results are displayed in a table with the following columns: Code, City, Region, TheaterName, and TheaterAddress. The table contains 9 rows of data, all of which start with the letter 'D' in the TheaterName column.

	Code	City	Region	TheaterName	TheaterAddress
1	6300	Haskovo	Haskovo	Dramatic Puppet Theater "Ivan Dimov"	Otec Paisiy 40
2	2700	Blagoevgrad	Blagoevgrad	Dramatic Puppet Theater "Nikola Vaptsarov"	Georgi Izmirliiev - Makedonche 1
3	3000	Vratsa	Vratsa	Dramatic Puppet Theater-Vratsa	Hristo Botev 1
4	6000	Stara Zagora	Stara Zagora	Dramatic Theater "Geo Milev"	Metodii Kusev 28
5	5800	Pleven	Pleven	Dramatic Theater "Ivan Radoev"	Vasil Levski 155
6	7000	Ruse	Ruse	Dramatic Theater "Sava Ognyanov"	Svoboda 4
7	9000	Varna	Varna	Dramatic Theater "Stoyan Bachvarov"	pl. Nezavisimost 1
8	5500	Lovech	Lovech	Dramatic Theater Lovech	Targovska 49
9	4000	Plovdiv	Plovdiv	Dramatic Theater Plovdiv	Knyaz Aleksandar I 38

9. Създайте изглед, който извежда име на постановка, премиерна дата и общ брой на актьорите, които участват в дадената постановка и са от мъжки пол, както и броя на актьорите за всяка постановка

```
CREATE view vMPerformancesWithMaleActors
AS
SELECT PerformanceName,
PremiereDate,
COUNT_BIG(*) as MaleActors
FROM StarsIn
INNER JOIN Actors ON StarsIn.ActorName = Actors.Name
WHERE Actors.Gender = 'M'
GROUP BY PerformanceName, PremiereDate
```

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Views' folder is also expanded, showing a list of views including 'dbo.vMPerformancesWithMaleActors'. On the right, the SQL query editor displays the following code:

```
CREATE view vMPerformancesWithMaleActors
AS
SELECT PerformanceName,
PremiereDate,
COUNT_BIG(*) as MaleActors
FROM StarsIn
INNER JOIN Actors ON StarsIn.ActorName = Actors.Name
WHERE Actors.Gender = 'M'
GROUP BY PerformanceName, PremiereDate

SELECT * FROM vMPerformancesWithMaleActors
```

Below the query editor, the 'Results' tab is selected, showing a table with 15 rows of data. The columns are 'PerformanceName', 'PremiereDate', and 'MaleActors'.

	PerformanceName	PremiereDate	MaleActors
1	A Nice Lady in a Bad Company	2019-11-07	1
2	An Ideal Husband	2007-05-18	3
3	Dom Juan	2006-09-29	2
4	For Mice And Men	2012-02-21	2
5	I pay	2010-10-30	1
6	Karakoncolos	2020-01-21	1
7	Network	2019-12-16	2
8	Peach Thief	2008-12-19	1
9	Spinach with potatoes	2016-10-25	3
10	The chicken that says KU	2010-09-25	1
11	The Credit	2018-06-21	2
12	The Goat or Who Is Sylvia?	2009-10-11	1
13	The Son	2020-01-18	2
14	The spirit of the Poet	2013-04-07	1
15	When Thunder Strikes, The E...	2019-03-25	1

10. Създайте изглед, който извежда име на театър, адрес, телефон и имейл, всички събрани пари от изиграни постановки и броя на срещанията на всеки театър

```
CREATE View vMCollectedMoney
AS
SELECT Name, Address, PhoneNumber, Email,
SUM(ISNULL(Attendances.SoldTickets, 0)) as CollectedMoney,
COUNT_BIG(*) as Number
FROM Theaters
INNER JOIN Attendances ON Attendances.TheaterName = Name
GROUP BY Name, Address, PhoneNumber, Email
```

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Views' folder is also expanded, showing the 'dbo.vMCollectedMoney' view. The main pane displays the SQL script for creating the view and a query to select all data from it. The 'Results' pane shows the output of the query, which is a table with 10 rows and 6 columns: Name, Address, PhoneNumber, Email, CollectedMoney, and Number.

```
CREATE View vMCollectedMoney
AS
SELECT Name, Address, PhoneNumber, Email,
SUM(ISNULL(Attendances.SoldTickets, 0)) as CollectedMoney,
COUNT_BIG(*) as Number
FROM Theaters
INNER JOIN Attendances ON Attendances.TheaterName = Name
GROUP BY Name, Address, PhoneNumber, Email

SELECT * FROM vMCollectedMoney
```

	Name	Address	PhoneNumber	Email	CollectedMoney	Number
1	Aleko Konstantinov Theater of Satire	Stefan Karadza 26	070020766	theaterOfSatireSofia@abv.bg	2036	6
2	Bulgarian Navy Theater	Georgi Sava Rakovski 98	02 9872303	navyBulgarianTheater@gmail.com	779	3
3	Dramatic Theater "Geo Milev"	Metodii Kusev 28	042622273	dramaticTheaterGeoMilev@abv.bg	606	3
4	Dramatic Theater "Sava Ognyanov"	Svoboda 4	082830168	dramaticTheaterSavaOgnyanov@gmail.com	278	2
5	Dramatic Theater "Stoyan Bachvarov"	pl. Nezavisimost 1	052614600	dramaticTheaterStoyanBachvarov@gmail.com	274	1
6	Dramatic Theater Lovech	Targovska 49	068604194	dramaticTheaterLovech@gmail.com	164	1
7	Dramatic Theater Plovdiv	Knyaz Aleksandar I 38	032271271	dramaticTheaterPlovdiv@abv.bg	460	2
8	Municipal Dramatic Theater "Boyan Danovski"	Krakra Pernishki 3	076603203	municipalTheaterBoyanDanovski@gmail.com	778	3
9	National Theater "Ivan Vazov"	Dyakon Ignatiy 5	02 8119227	theaterIvanVazov@abv.bg	3220	18
10	Theater Laboratory Sfumato	D. Grekov 2	02 9433890	theaterSfumato@gmail.com	361	2

11. Създайте изглед, който извежда име на постановка, премиерна дата, жанр и възрастово ограничение, където ограничението е над 12-годишна възраст

```
CREATE view vMAgeLimit
AS
SELECT Name, PremiereDate, Genre, AgeLimit
FROM Performances
WHERE AgeLimit > 12
```

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'movies' database. The 'Views' folder under 'movies' is also expanded, listing various views including 'dbo.vMAgeLimit'. On the right, the SQL query editor shows the following code:

```
CREATE view vMAgeLimit
AS
SELECT Name, PremiereDate, Genre, AgeLimit
FROM Performances
WHERE AgeLimit > 12

SELECT * FROM vMAgeLimit
```

Below the query editor, the 'Results' tab is active, displaying a table with the following data:

	Name	PremiereDate	Genre	AgeLimit
1	The Goat or Who Is Sylvia?	2009-10-11	Drama	16
2	The Spirit of the Poet	2013-04-07	Drama	14

12. Да се промени възрастовото ограничение на постановката 'The Goat or Who Is Sylvia' от 16 години на 18 години в изгледа vMAgeLimit

UPDATE vMAgeLimit

SET AgeLimit=18

WHERE Name='The Goat or Who Is Sylvia?'

USE theater
GO

SELECT * FROM Performances

100 %

Results Messages

	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country
7	For Mice And Men	Asen Blatechki	130	2012-02-21	Drama	NULL	Elena Ivanova	Elena Ivanova	Bulgaria
8	I Pay	Vladlen Aleksandrov	120	2010-10-30	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria
9	Karakoncolos	Stoyan Radev	80	2020-01-21	Monodrama	12	Elitsa Georgieva	Elitsa Georgieva	Bulgaria
10	Love, love, love	Krasimir Spasov	95	2018-08-21	NULL	NULL	Krasimir Vulkanov	Maria Dimanova	Bulgaria
11	Network	Andrey Avramov	100	2019-12-16	Satire Drama	NULL	Antonia Popova	Elena Spasova	Bulgaria
12	One night with you	Krasimir Spasov	115	2018-02-21	Drama	NULL	Krasimir Vulkanov	Krasimir Vulkanov	Bulgaria
13	Peach Thief	Boyko Iliev	90	2008-12-19	Drama	12	Nina Pashova	Nina Pashova	Bulgaria
14	Spinach with potatoes	Bogdan Petkanin	110	2016-10-25	Comedy	NULL	Petio Nachev	NULL	Bulgaria
15	Sweetie	Emil Bonev	120	2020-02-20	Musical	12	Elena Ivanova	Elena Ivanova	Bulgaria
16	The chicken that says KU	Ivan Yurukov	90	2010-09-25	NULL	NULL	Aleksandur Urumov	NULL	Bulgaria
17	The Credit	Bina Haralambieva	115	2018-06-21	Drama	12	Petya Stoykova	Velina Kokalova	Bulgaria
18	The Goat or Who Is Sylvia?	Yavor Gardev	115	2009-10-11	Drama	16	Nikola Toromanov	Nikola Toromanov	Bulgaria
19	The Son	Diana Dobрева	110	2020-01-18	Drama	12	Mira Kalanova	Mira Kalanova	Bulgaria
20	The Spirit of the Poet	Margarita Mladen...	75	2013-04-07	Drama	14	Daniela Oleg Lya...	Daniela Oleg Lya...	Bulgaria
21	Uncle Vanya	Nikolay Lambrev - ...	115	2020-02-21	Drama	12	Nikolay Lambrev - ...	Chayka Petrusheva	Bulgaria
22	When Thunder Strikes, The E...	Bina Haralampieva	100	2019-03-25	Drama	12	Svila Velichkova	Svila Velichkova	Bulgaria

```
USE theater
GO
```

```
UPDATE vMAgeLimit
SET AgeLimit=18
WHERE Name='The Goat or Who Is Sylvia?'

SELECT * FROM vMAgeLimit
```

```
SELECT * FROM Performances
```

100 %

Results Messages

	Name	PremiereDate	Genre	AgeLimit
1	The Goat or Who Is Sylvia?	2009-10-11	Drama	18
2	The Spirit of the Poet	2013-04-07	Drama	14

	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country
13	Peach Thief	Boyko Iliev	90	2008-12-19	Drama	12	Nina Pashova	Nina Pashova	Bulgaria
14	Spinach with potatoes	Bogdan Petkanin	110	2016-10-25	Comedy	NULL	Petio Nachev	NULL	Bulgaria
15	Sweetie	Emil Bonev	120	2020-02-20	Musical	12	Elena Ivanova	Elena Ivanova	Bulgaria
16	The chicken that says KU	Ivan Yurukov	90	2010-09-25	NULL	NULL	Aleksandur Uru...	NULL	Bulgaria
17	The Credit	Bina Haralambieva	115	2018-06-21	Drama	12	Petya Stoykova	Velina Kokalova	Bulgaria
18	The Goat or Who Is Sylvia?	Yavor Gardev	115	2009-10-11	Drama	18	Nikola Toroman...	Nikola Toromanov	Bulgaria
19	The Son	Diana Dobрева	110	2020-01-18	Drama	12	Mira Kalanova	Mira Kalanova	Bulgaria
20	The Spirit of the Poet	Margarita Mladen...	75	2013-04-07	Drama	14	Daniela Oleg Ly...	Daniela Oleg Lya...	Bulgaria
21	Uncle Vanya	Nikolay Lambrev - ...	115	2020-02-21	Drama	12	Nikolay Lambre...	Chayka Petrusheva	Bulgaria
22	When Thunder Strikes, The E...	Bina Haralampieva	100	2019-03-25	Drama	12	Svila Velichkova	Svila Velichkova	Bulgaria

13. Изтрийте изгледа vMAgeLimit

DROP view vMAgeLimit

```
USE theater
GO

DROP view vMAgeLimit

SELECT * FROM vMAgeLimit

SELECT * FROM Performances
```

100 %

Messages

Msg 208, Level 16, State 1, Line 494
Invalid object name 'vMAgeLimit'.

Completion time: 2020-05-12T22:44:30.6185145+03:00

Connect ▼

localhost\SQLEXPRESS (SQL Server 14.0.1000 - DESKTOP-...)

Databases

System Databases

Database Snapshots

movies

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Database Diagrams

Tables

Views

System Views

dbo.vM_AverageSoldTickets

dbo.vM_CheapestTicket

dbo.vM_NumberOfTicketsWithDifferentPrice

dbo.vM_PerformanceCount

dbo.vM_PerformanceInNationalTheater

dbo.vM_PerformanceWithActresses

dbo.vM_TheatersCountInCities

dbo.vM_CollectedMoney

dbo.vMPerformancesWithMaleActors

dbo.vMTheaters_with_D

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

Security

Server Objects

Replication

PolyBase

Management

XEvent Profiler

```
USE theater
GO

DROP view vMAgeLimit

SELECT * FROM vMAgeLimit

SELECT * FROM Performances
```

100 %

Results Messages

	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country
7	For Mice And Men	Asen Blatechki	130	2012-02-21	Drama	NULL	Elena Ivanova	Elena Ivanova	Bulgaria
8	I Pay	Vladlen Aleksandrov	120	2010-10-30	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria
9	Karakoncolos	Stoyan Radev	80	2020-01-21	Monodrama	12	Elitsa Georgieva	Elitsa Georgieva	Bulgaria
10	Love, love, love	Krasimir Spasov	95	2018-08-21	NULL	NULL	Krasimir Vulkanov	Maria Dimanova	Bulgaria
11	Network	Andrey Avramov	100	2019-12-16	Satire Drama	NULL	Antonia Popova	Elena Spasova	Bulgaria
12	One night with you	Krasimir Spasov	115	2018-02-21	Drama	NULL	Krasimir Vulkanov	Krasimir Vulkanov	Bulgaria
13	Peach Thief	Boyko Iliev	90	2008-12-19	Drama	12	Nina Pashova	Nina Pashova	Bulgaria
14	Spinach with potatoes	Bogdan Petkanin	110	2016-10-25	Comedy	NULL	Petio Nachev	NULL	Bulgaria
15	Sweetie	Emil Bonev	120	2020-02-20	Musical	12	Elena Ivanova	Elena Ivanova	Bulgaria
16	The chicken that says KU	Ivan Yurukov	90	2010-09-25	NULL	NULL	Aleksandur Urumov	NULL	Bulgaria
17	The Credit	Bina Haralambieva	115	2018-06-21	Drama	12	Petya Stoykova	Velina Kokalova	Bulgaria
18	The Goat or Who Is Sylvia?	Yavor Gardev	115	2009-10-11	Drama	18	Nikola Toromanov	Nikola Toromanov	Bulgaria
19	The Son	Diana Dobрева	110	2020-01-18	Drama	12	Mira Kalanova	Mira Kalanova	Bulgaria
20	The Spirit of the Poet	Margarita Mladen...	75	2013-04-07	Drama	14	Daniela Oleg Lya...	Daniela Oleg Lya...	Bulgaria
21	Uncle Vanya	Nikolay Lambrev - ...	115	2020-02-21	Drama	12	Nikolay Lambrev - ...	Chayka Petrusheva	Bulgaria
22	When Thunder Strikes, The E...	Bina Haralambieva	100	2019-03-25	Drama	12	Svila Velichkova	Svila Velichkova	Bulgaria

No vMAgeLimit

14. Създайте изглед, който да извежда име, рождена дата, пол, роден град и държава на всички актриси

```
CREATE view vMFemaleActors
AS
SELECT Name, Birthdate, Gender, HomeTown, Country
FROM Actors
WHERE Gender = 'F'
```

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Views' folder under 'theater' is also expanded, listing various views including 'dbo.vMFemaleActors'. The right pane shows the SQL query editor with the following code:

```
USE theater
GO

CREATE view vMFemaleActors
AS
SELECT Name, Birthdate, Gender, HomeTown, Country
FROM Actors
WHERE Gender = 'F'

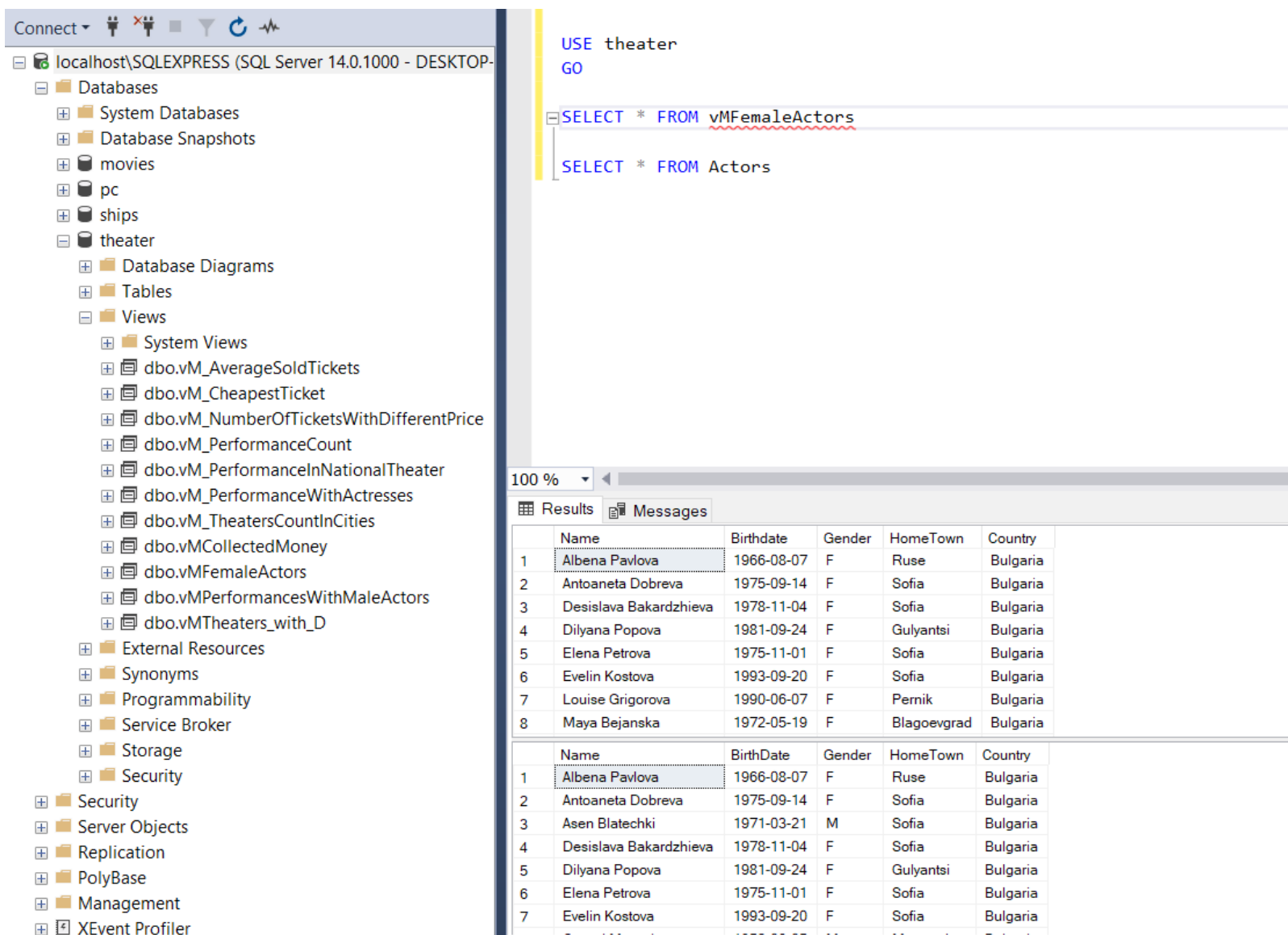
SELECT * FROM vMFemaleActors
```

Below the query editor, the 'Results' tab is active, displaying a table with 13 rows of data. The columns are Name, Birthdate, Gender, HomeTown, and Country. The data represents female actors from the 'theater' database.

	Name	Birthdate	Gender	HomeTown	Country
1	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria
2	Antoaneta Dobрева	1975-09-14	F	Sofia	Bulgaria
3	Desislava Bakardzhieva	1978-11-04	F	Sofia	Bulgaria
4	Dilyana Popova	1981-09-24	F	Gulyantsi	Bulgaria
5	Elena Petrova	1975-11-01	F	Sofia	Bulgaria
6	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria
7	Louise Grigorova	1990-06-07	F	Pernik	Bulgaria
8	Maya Bejanska	1972-05-19	F	Blagoevgrad	Bulgaria
9	Ralitsa Paskaleva	1989-09-20	F	Ruse	Bulgaria
10	Silviya Lulcheva	1969-08-28	F	Sofia	Bulgaria
11	Silviya Petkova	1987-07-07	F	Sofia	Bulgaria
12	Sofia Bobcheva	1985-06-14	F	Sofia	Bulgaria
13	Yana Marinova	1978-08-17	F	Sofia	Bulgaria

15. Добавете в изгледа vMFemaleActors данни за актрисата Angeline Jolie

```
INSERT INTO vMFemaleActors(Name, BirthDate, Gender, HomeTown, Country)
VALUES('Angelina Jolie', '1975-06-04', 'F', 'Los Angeles', 'USA')
```








The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Tables' folder under 'theater' is also expanded, showing the 'vMFemaleActors' table. On the right, the SQL query editor shows the following code:

```
USE theater
GO

SELECT * FROM vMFemaleActors
```

Below the query editor, the 'Results' tab is selected, displaying the data from the 'vMFemaleActors' table. The data is shown in a table with 8 rows and 6 columns: Name, Birthdate, Gender, HomeTown, and Country.

	Name	Birthdate	Gender	HomeTown	Country
1	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria
2	Antoaneta Dobрева	1975-09-14	F	Sofia	Bulgaria
3	Desislava Bakardzhieva	1978-11-04	F	Sofia	Bulgaria
4	Dilyana Popova	1981-09-24	F	Gulyantsi	Bulgaria
5	Elena Petrova	1975-11-01	F	Sofia	Bulgaria
6	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria
7	Louise Grigorova	1990-06-07	F	Pernik	Bulgaria
8	Maya Bejanska	1972-05-19	F	Blagoevgrad	Bulgaria

Connect ▾     

localhost\SQLEXPRESS (SQL Server 14.0.1000 - DESKTOP-...)

- Databases
 - System Databases
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 - Database Diagrams
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 - System Views
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 - dbo.vM_CheapestTicket
 - dbo.vM_NumberOfTicketsWithDifferentPrice
 - dbo.vM_PerformanceCount
 - dbo.vM_PerformanceInNationalTheater
 - dbo.vM_PerformanceWithActresses
 - dbo.vM_TheatersCountInCities
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 - External Resources
 - Synonyms
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 - Service Broker
 - Storage
 - Security
- Security
- Server Objects
- Replication
- PolyBase
- Management
- XEvent Profiler

```
USE theater
GO
```

```
INSERT INTO vMFemaleActors(Name, BirthDate, Gender, HomeTown, Country)
VALUES('Angelina Jolie', '1975-06-04', 'F', 'Los Angeles', 'USA')

SELECT * FROM vMFemaleActors

SELECT * FROM Actors
```

100 %

Results Messages

	Name	Birthdate	Gender	HomeTown	Country
1	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria
2	Angelina Jolie	1975-06-04	F	Los Angeles	USA
3	Antoaneta Dobreva	1975-09-14	F	Sofia	Bulgaria
4	Desislava Bakardzhieva	1978-11-04	F	Sofia	Bulgaria
5	Dilyana Popova	1981-09-24	F	Gulyantsi	Bulgaria
6	Elena Petrova	1975-11-01	F	Sofia	Bulgaria
7	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria
8	Louise Grigorova	1990-06-07	F	Pernik	Bulgaria

	Name	BirthDate	Gender	HomeTown	Country
1	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria
2	Angelina Jolie	1975-06-04	F	Los Angeles	USA
3	Antoaneta Dobreva	1975-09-14	F	Sofia	Bulgaria
4	Asen Blatechki	1971-03-21	M	Sofia	Bulgaria
5	Desislava Bakardzhieva	1978-11-04	F	Sofia	Bulgaria
6	Dilyana Popova	1981-09-24	F	Gulyantsi	Bulgaria
7	Elena Petrova	1975-11-01	F	Sofia	Bulgaria

16. Изтрийте от изгледа vMFemaleActors всички актриси, които не са от България

DELETE FROM vMFemaleActors WHERE Country NOT LIKE 'Bulgaria'

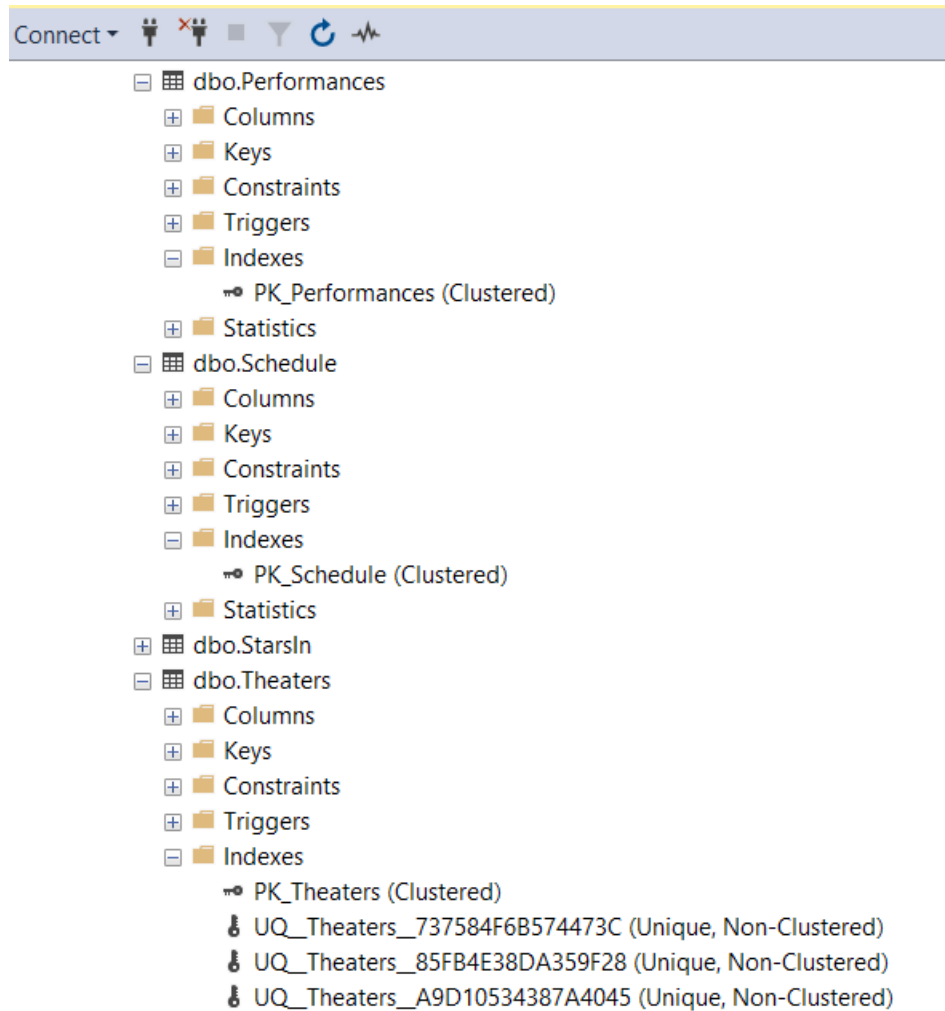
The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'theater' database. The 'Tables' folder is expanded, and 'vMFemaleActors' is selected. The 'Queries' folder is also expanded, showing a query named 'DELETE FROM vMFemaleActors WHERE Country NOT LIKE 'Bulgaria''. The query is highlighted in blue. Below the query, the 'Results' tab is selected, showing a table with 8 rows and 5 columns: Name, BirthDate, Gender, HomeTown, and Country. The table contains the following data:

	Name	BirthDate	Gender	HomeTown	Country
1	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria
2	Antoaneta Dobрева	1975-09-14	F	Sofia	Bulgaria
3	Desislava Bakardzhieva	1978-11-04	F	Sofia	Bulgaria
4	Dilyana Popova	1981-09-24	F	Gulyantsi	Bulgaria
5	Elena Petrova	1975-11-01	F	Sofia	Bulgaria
6	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria
7	Louise Grigорова	1990-06-07	F	Pernik	Bulgaria
8	Maya Bejanska	1972-05-19	F	Blagoevgrad	Bulgaria

Two red arrows point to the 'Country' column in the results table, specifically to the 'Bulgaria' entries. The text 'No Angeline Jolie' is written in red above the arrows.

Индекси

Първоначално без индекси



1. Създайте подходящи индекси за таблиците Theaters, Performances и Schedule

1.1 Theaters

CREATE Nonclustered Index UIX_Theaters
on Theaters(Name)

1.2 Performances

CREATE Nonclustered Index UIX_Performances
on Performances(Name, PremiereDate)

CREATE Nonclustered Index UIX_Performances_AgeLimit
on Performances(AgeLimit)

CREATE Nonclustered Index UIX_Schedule on Schedule(PerformanceName, TheaterName)

✓ Query executed successfully.

2. Изтрийте някои от създадените индекси

DROP INDEX UIX_Performances ON Performances

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Server Enterprise' tree is expanded to show the 'Indexes' folder under the 'dbo' database. The index 'UIX_Performances_AgeLimit (Non-Unique, Non-Clustered)' is highlighted with a red rectangle. On the right, the 'Query Editor' window shows the command 'USE theater' followed by 'GO' and 'DROP INDEX UIX_Performances ON Performances'. Below the command, the 'Messages' pane shows the output: 'Commands completed successfully.' and 'Completion time: 2020-05-12T22:58:23.3955609+03:00'. At the bottom, a yellow status bar indicates 'Query executed successfully.'

Connect ▾

dbo.Performances

- Columns
- Keys
- Constraints
- Triggers
- Indexes
 - PK_Performances (Clustered)
 - UIX_Performances_AgeLimit (Non-Unique, Non-Clustered)
- Statistics

dbo.Schedule

- Columns
- Keys
- Constraints
- Triggers
- Indexes
 - PK_Schedule (Clustered)
 - UIX_Schedule (Non-Unique, Non-Clustered)
- Statistics

dbo.StarsIn

dbo.Theaters

- Columns
- Keys
- Constraints
- Triggers
- Indexes
 - PK_Theaters (Clustered)
 - UIX_Theaters (Non-Unique, Non-Clustered)
 - UQ_Theaters_737584F6B574473C (Unique, Non-Clustered)
 - UQ_Theaters_85FB4E38DA359F28 (Unique, Non-Clustered)
 - UQ_Theaters_A9D10534387A4045 (Unique, Non-Clustered)
- Statistics

dbo.Tickets

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USE theater

GO

DROP INDEX UIX_Performances ON Performances

100 %

Messages

Commands completed successfully.

Completion time: 2020-05-12T22:58:23.3955609+03:00

100 %

Query executed successfully.

Тригери

```
CREATE TABLE Actors_audits(  
  Name VARCHAR(100) NOT NULL,  
  BirthDate DATE,  
  Gender CHAR(1) NOT NULL,  
  HomeTown VARCHAR(20) NOT NULL,  
  Country VARCHAR(50) NOT NULL,  
  IsDeleted VARCHAR(3) DEFAULT 'NO',  
  WhenDeleted DATE,  
  UpdatedAt DATE  
);
```

```
CREATE TRIGGER SoftDelete_Actors ON Actors  
INSTEAD OF DELETE AS  
BEGIN  
  SET NOCOUNT ON;  
  UPDATE Actors  
  SET IsDeleted = 'YES', WhenDeleted = GetDate()  
  WHERE Name IN (SELECT Name FROM deleted);  
END  
GO
```

```
CREATE TRIGGER Actors_update_audits ON Actors  
AFTER UPDATE AS  
BEGIN  
  INSERT INTO Actors_audits (Name, BirthDate, Gender, HomeTown, Country, IsDeleted,  
    WhenDeleted, UpdatedAt)  
  (Select Name, BirthDate, Gender, HomeTown, Country, IsDeleted, WhenDeleted, GetDate()  
  FROM deleted);  
END  
GO
```


DELETE FROM Actors WHERE HomeTown = 'Sofia'; SELECT* FROM Actors;

	Name	BirthDate	Gender	HomeTown	Country	IsDeleted	WhenDeleted
1	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria	0	NULL
2	Antoaneta Dobрева	1975-09-14	F	Sofia	Bulgaria	1	2020-05-12
3	Asen Blatechki	1971-03-21	M	Sofia	Bulgaria	1	2020-05-12
4	Desislava Bakardzhieva	1978-11-04	F	Sofia	Bulgaria	1	2020-05-12
5	Dilyana Popova	1981-09-24	F	Gulyantsi	Bulgaria	0	NULL
6	Elena Petrova	1975-11-01	F	Sofia	Bulgaria	1	2020-05-12
7	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria	1	2020-05-12
8	Georgi Mamalev	1952-08-05	M	Mamarchevo	Bulgaria	0	NULL
9	Hristo Mutaфchiev	1969-04-04	M	Karlovo	Bulgaria	0	NULL
10	Ivan Yurukov	1978-05-27	M	Sandanski	Bulgaria	0	NULL
11	Ivaylo Zaharieв	1984-10-04	M	Sofia	Bulgaria	1	2020-05-12
12	Julian Vergov	1970-07-15	M	Sofia	Bulgaria	1	2020-05-12
13	Kalin Sarmenov	1963-05-25	M	Sofia	Bulgaria	1	2020-05-12
14	Kalin Vrachanski	1981-06-09	M	Cherven bryag	Bulgaria	0	NULL
15	Krastiu Lafazanov	1961-07-18	M	Varna	Bulgaria	0	NULL
16	Louise Grigorova	1990-06-07	F	Pernik	Bulgaria	0	NULL
17	Lyubomir Neykov	1972-02-07	M	Cherven bryag	Bulgaria	0	NULL
18	Malin Krustev	1970-04-23	M	Sofia	Bulgaria	1	2020-05-12
19	Maya Bejanska	1972-05-19	F	Blagoevgrad	Bulgaria	0	NULL
20	Nencho Balabanov	1980-04-17	M	Kotel	Bulgaria	0	NULL
21	Nencho Ilchev	1972-05-03	M	Momchilovtsi	Bulgaria	0	NULL
22	Philip Avramov	1974-09-09	M	Sofia	Bulgaria	1	2020-05-12
23	Ralitsa Paskaleva	1989-09-20	F	Ruse	Bulgaria	0	NULL
24	Ruslan Mynov	1976-11-15	M	Ishmael	Ukraine	0	NULL
25	Silviya Lulcheva	1969-08-28	F	Sofia	Bulgaria	1	2020-05-12
26	Silviya Petkova	1987-07-07	F	Sofia	Bulgaria	1	2020-05-12
27	Sofia Bobcheva	1985-06-14	F	Sofia	Bulgaria	1	2020-05-12
28	Valeri Yordanov	1974-02-22	M	Sofia	Bulgaria	1	2020-05-12
29	Vasil Draganov	1975-11-06	M	Sofia	Bulgaria	1	2020-05-12
30	Veselin Plachkov	1980-06-23	M	Pleven	Bulgaria	0	NULL
31	Victor Kalev	1969-10-20	M	Zlatograd	Bulgaria	0	NULL
32	Vladimir Karamazov	1979-04-27	M	Sofia	Bulgaria	1	2020-05-12
33	Vladimir Penev	1958-10-24	M	Sofia	Bulgaria	1	2020-05-12
34	Yana Marinova	1978-08-17	F	Sofia	Bulgaria	1	2020-05-12
35	Zahari Baharov	1980-08-12	M	Sofia	Bulgaria	1	2020-05-12

UPDATE Actors SET HomeTown = 'Sofia' WHERE HomeTown = 'Sandanski';
 SELECT * FROM Actors_audits

	Name	BirthDate	Gender	HomeTown	Country	IsDeleted	WhenDeleted	UpdatedAt
2	Yana Marinova	1978-08-17	F	Sofia	Bulgaria	0	NULL	2020-05-13
3	Vladimir Penev	1958-10-24	M	Sofia	Bulgaria	0	NULL	2020-05-13
4	Vladimir Karamazov	1979-04-27	M	Sofia	Bulgaria	0	NULL	2020-05-13
5	Vasil Draganov	1975-11-06	M	Sofia	Bulgaria	0	NULL	2020-05-13
6	Valeri Yordanov	1974-02-22	M	Sofia	Bulgaria	0	NULL	2020-05-13
7	Sofia Bobcheva	1985-06-14	F	Sofia	Bulgaria	0	NULL	2020-05-13
8	Silviya Petkova	1987-07-07	F	Sofia	Bulgaria	0	NULL	2020-05-13
9	Silviya Lulcheva	1969-08-28	F	Sofia	Bulgaria	0	NULL	2020-05-13
10	Philip Avramov	1974-09-09	M	Sofia	Bulgaria	0	NULL	2020-05-13
11	Malin Krustev	1970-04-23	M	Sofia	Bulgaria	0	NULL	2020-05-13
12	Kalin Sarmenov	1963-05-25	M	Sofia	Bulgaria	0	NULL	2020-05-13
13	Julian Vergov	1970-07-15	M	Sofia	Bulgaria	0	NULL	2020-05-13
14	Ivaylo Zahariev	1984-10-04	M	Sofia	Bulgaria	0	NULL	2020-05-13
15	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria	0	NULL	2020-05-13
16	Elena Petrova	1975-11-01	F	Sofia	Bulgaria	0	NULL	2020-05-13
17	Desislava Bakardzhieva	1978-11-04	F	Sofia	Bulgaria	0	NULL	2020-05-13
18	Asen Blatechki	1971-03-21	M	Sofia	Bulgaria	0	NULL	2020-05-13
19	Antoaneta Dobрева	1975-09-14	F	Sofia	Bulgaria	0	NULL	2020-05-13
20	Zahari Baharov	1980-08-12	M	Sandanski	Bulgaria	0	NULL	2020-05-13
21	Yana Marinova	1978-08-17	F	Sandanski	Bulgaria	0	NULL	2020-05-13
22	Vladimir Penev	1958-10-24	M	Sandanski	Bulgaria	0	NULL	2020-05-13
23	Vladimir Karamazov	1979-04-27	M	Sandanski	Bulgaria	0	NULL	2020-05-13
24	Vasil Draganov	1975-11-06	M	Sandanski	Bulgaria	0	NULL	2020-05-13
25	Valeri Yordanov	1974-02-22	M	Sandanski	Bulgaria	0	NULL	2020-05-13
26	Sofia Bobcheva	1985-06-14	F	Sandanski	Bulgaria	0	NULL	2020-05-13
27	Silviya Petkova	1987-07-07	F	Sandanski	Bulgaria	0	NULL	2020-05-13
28	Silviya Lulcheva	1969-08-28	F	Sandanski	Bulgaria	0	NULL	2020-05-13
29	Philip Avramov	1974-09-09	M	Sandanski	Bulgaria	0	NULL	2020-05-13
30	Malin Krustev	1970-04-23	M	Sandanski	Bulgaria	0	NULL	2020-05-13
31	Kalin Sarmenov	1963-05-25	M	Sandanski	Bulgaria	0	NULL	2020-05-13
32	Julian Vergov	1970-07-15	M	Sandanski	Bulgaria	0	NULL	2020-05-13
33	Ivaylo Zahariev	1984-10-04	M	Sandanski	Bulgaria	0	NULL	2020-05-13
34	Ivan Yurukov	1978-05-27	M	Sandanski	Bulgaria	0	NULL	2020-05-13
35	Evelin Kostova	1993-09-20	F	Sandanski	Bulgaria	0	NULL	2020-05-13
36	Elena Petrova	1975-11-01	F	Sandanski	Bulgaria	0	NULL	2020-05-13

DELETE FROM Actors WHERE Name LIKE 'Yana%' SELECT* FROM Actors WHERE Name LIKE 'Yana%'
 SELECT* FROM Actors_audits

	Name	BirthDate	Gender	HomeTown	Country	IsDeleted	WhenDeleted
1	Yana Marinova	1978-08-17	F	Sofia	Bulgaria	1	2020-05-13

	Name	BirthDate	Gender	HomeTown	Country	IsDeleted	WhenDeleted	UpdatedAt
28	Silviya Lulcheva	1969-08-28	F	Sandanski	Bulgaria	0	NULL	2020-05-13
29	Philip Avramov	1974-09-09	M	Sandanski	Bulgaria	0	NULL	2020-05-13
30	Malin Krustev	1970-04-23	M	Sandanski	Bulgaria	0	NULL	2020-05-13
31	Kalin Sarmentov	1963-05-25	M	Sandanski	Bulgaria	0	NULL	2020-05-13
32	Julian Vergov	1970-07-15	M	Sandanski	Bulgaria	0	NULL	2020-05-13
33	Ivaylo Zahariev	1984-10-04	M	Sandanski	Bulgaria	0	NULL	2020-05-13
34	Ivan Yurukov	1978-05-27	M	Sandanski	Bulgaria	0	NULL	2020-05-13
35	Evelin Kostova	1993-09-20	F	Sandanski	Bulgaria	0	NULL	2020-05-13
36	Elena Petrova	1975-11-01	F	Sandanski	Bulgaria	0	NULL	2020-05-13
37	Desislava Bakardz...	1978-11-04	F	Sandanski	Bulgaria	0	NULL	2020-05-13
38	Asen Blatechki	1971-03-21	M	Sandanski	Bulgaria	0	NULL	2020-05-13
39	Antoaneta Dobrev	1975-09-14	F	Sandanski	Bulgaria	0	NULL	2020-05-13
40	Yana Marinova	1978-08-17	F	Sofia	Bulgaria	0	NULL	2020-05-13

UPDATE Actors SET HomeTown = 'Vraca' WHERE HomeTown = 'Ruse'; SELECT * FROM Actors_audits; SELECT * FROM Actors; UPDATE Actors SET HomeTown = 'Ruse' WHERE HomeTown = 'Vraca'; SELECT * FROM Actors_audits;

	Name	BirthDate	Gender	HomeTown	Country	IsDeleted	WhenDeleted
1	Albena Pavlova	1966-08-07	F	Vraca	Bulgaria	NO	NULL
2	Antoaneta Dobрева	1975-09-14	F	Sofia	Bulgaria	NO	NULL
3	Asen Blatecki	1971-03-21	M	Sofia	Bulgaria	NO	NULL
4	Desislava Bakardzhieva	1978-11-04	F	Sofia	Bulgaria	NO	NULL
5	Dilyana Popova	1981-09-24	F	Gulyantsi	Bulgaria	NO	NULL
6	Elena Petrova	1975-11-01	F	Sofia	Bulgaria	NO	NULL
7	Evelin Kostova	1993-09-20	F	Sofia	Bulgaria	NO	NULL
8	Georgi Mamalev	1952-08-05	M	Mamarchevo	Bulgaria	NO	NULL
9	Hristo Mutafchiev	1969-04-04	M	Karlovo	Bulgaria	NO	NULL
10	Ivan Yurukov	1978-05-27	M	Sandanski	Bulgaria	NO	NULL
11	Ivaylo Zahariev	1984-10-04	M	Sofia	Bulgaria	NO	NULL
12	Julian Vergov	1970-07-15	M	Sofia	Bulgaria	NO	NULL
13	Kalin Sarmenov	1963-05-25	M	Sofia	Bulgaria	NO	NULL
14	Kalin Vrachanski	1981-06-09	M	Cherven bryag	Bulgaria	NO	NULL
15	Krastiu Lafazanov	1961-07-18	M	Varna	Bulgaria	NO	NULL
16	Louise Grigorova	1990-06-07	F	Pernik	Bulgaria	NO	NULL
17	Lyubomir Neykov	1972-02-07	M	Cherven bryag	Bulgaria	NO	NULL
18	Malin Krustev	1970-04-23	M	Sofia	Bulgaria	NO	NULL
19	Maya Bejanska	1972-05-19	F	Blagoevgrad	Bulgaria	NO	NULL
20	Nencho Balabanov	1980-04-17	M	Kotel	Bulgaria	NO	NULL
21	Nencho Ilchev	1972-05-03	M	Momchilovtsi	Bulgaria	NO	NULL
22	Philip Avramov	1974-09-09	M	Sofia	Bulgaria	NO	NULL
23	Ralitsa Paskaleva	1989-09-20	F	Vraca	Bulgaria	NO	NULL
24	Ruslan Mynov	1976-11-15	M	Ishmael	Ukraine	NO	NULL
25	Silviya Lulcheva	1969-08-28	F	Sofia	Bulgaria	NO	NULL
26	Silviya Petkova	1987-07-07	F	Sofia	Bulgaria	NO	NULL
27	Sofia Bobcheva	1985-06-14	F	Sofia	Bulgaria	NO	NULL
28	Valeri Yordanov	1974-02-22	M	Sofia	Bulgaria	NO	NULL
29	Vasil Draganov	1975-11-06	M	Sofia	Bulgaria	NO	NULL
30	Veselin Plachkov	1980-06-23	M	Pleven	Bulgaria	NO	NULL
31	Victor Kalev	1969-10-20	M	Zlatograd	Bulgaria	NO	NULL

	Name	BirthDate	Gender	HomeTown	Country	IsDeleted	WhenDeleted	UpdatedAt
1	Ralitsa Paskaleva	1989-09-20	F	Ruse	Bulgaria	NO	NULL	2020-05-13 01:04:13.847
2	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria	NO	NULL	2020-05-13 01:04:13.847
3	Ralitsa Paskaleva	1989-09-20	F	Vraca	Bulgaria	NO	NULL	2020-05-13 01:05:09.720
4	Albena Pavlova	1966-08-07	F	Vraca	Bulgaria	NO	NULL	2020-05-13 01:05:09.720

	Name	BirthDate	Gender	HomeTown	Country	IsDeleted	WhenDeleted	UpdatedAt
1	Ralitsa Paskaleva	1989-09-20	F	Ruse	Bulgaria	NO	NULL	2020-05-13 01:04:13.847
2	Albena Pavlova	1966-08-07	F	Ruse	Bulgaria	NO	NULL	2020-05-13 01:04:13.847

```

-----
CREATE TABLE Performances_audits(
Name VARCHAR(255) NOT NULL,
Producer VARCHAR(100) NOT NULL,
Duration INT NOT NULL, CHECK(Duration > 0),
PremiereDate DATE NOT NULL,
Genre VARCHAR(20),
AgeLimit INT,
Playwright VARCHAR(100),
CostumeDesigner VARCHAR(100),
Country VARCHAR(50)
IsDeleted VARCHAR(3) DEFAULT 'NO',
WhenDeleted DATE ,
UpdatedAt DATE
);

```

```

CREATE TRIGGER SoftDelete_Performances ON Performances
INSTEAD OF DELETE AS
BEGIN
SET NOCOUNT ON;
UPDATE Performances
SET IsDeleted = 'YES', WhenDeleted = GetDate()
WHERE Name IN (SELECT Name FROM deleted) AND PremiereDate IN (SELECT PremiereDate
FROM deleted);
END
GO

```

```

CREATE TRIGGER Performances_update_audits ON Performances
AFTER UPDATE AS
BEGIN
INSERT INTO Performances_audits (Name, Producer, Duration, PremiereDate, Genre, AgeLimit,
Playwright, CostumeDesigner, Country, IsDeleted, WhenDeleted, UpdatedAt)
(Select Name, Producer, Duration, PremiereDate, Genre, AgeLimit, Playwright, CostumeDesigner,
Country, IsDeleted, WhenDeleted, GetDate()
FROM deleted);
END
GO

```


Connect

localhost\SQLEXPRESS (SQL Server 14.0.1000 -)

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CREATE TRIGGER Performances_update_audits ON Performances

AFTER UPDATE AS

BEGIN

INSERT INTO Performances_audits (Name, Producer, Duration, PremiereDate, Genre, AgeLimit, Playwright, CostumeDesigner, Country, IsDeleted, WhenDeleted, UpdatedAt

(Select Name, Producer, Duration, PremiereDate, Genre, AgeLimit, Playwright, CostumeDesigner, Country, IsDeleted, WhenDeleted, GetDate()

FROM deleted);

END

GO

UPDATE Performances SET AgeLimit = 18 WHERE AgeLimit IS NULL

SELECT * FROM Performances_audits

100 %

Results Messages

	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country	IsDeleted	WhenDeleted	UpdatedAt
1	The chicken that says KU	Ivan Yurukov	90	2010-09-25	NULL	NULL	Aleksandur Urumov	NULL	Bulgaria	NO	NULL	2020-05-13
2	Spinach with potatoes	Bogdan Petkanin	110	2016-10-25	Comedy	NULL	Petio Nachev	NULL	Bulgaria	NO	NULL	2020-05-13
3	One night with you	Krasimir Spasov	115	2018-02-21	Drama	NULL	Krasimir Vulkanov	Krasimir Vulkanov	Bulgaria	NO	NULL	2020-05-13
4	Network	Andrey Avramov	100	2019-12-16	Satire Drama	NULL	Antonia Popova	Elena Spasova	Bulgaria	NO	NULL	2020-05-13
5	Love, love, love	Krasimir Spasov	95	2018-08-21	NULL	NULL	Krasimir Vulkanov	Maria Dimanova	Bulgaria	NO	NULL	2020-05-13
6	For Mice And Men	Asen Blatechki	130	2012-02-21	Drama	NULL	Elena Ivanova	Elena Ivanova	Bulgaria	NO	NULL	2020-05-13
7	Dekameron	Diana Dobрева	125	2017-02-21	NULL	NULL	Nina Pashova	Nina Pashova	Bulgaria	NO	NULL	2020-05-13
8	Albena	Krasimir Spasov	115	2017-03-16	Drama	NULL	Krasimir Vulkanov	Mariya Dimanova	Bulgaria	NO	NULL	2020-05-13
9	#MyHusbandsFault	Liza Shopova	60	2020-02-05	Comedy	NULL	Antonia Popova	Elena Spasova	Bulgaria	NO	NULL	2020-05-13

Активирайте Windows

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CREATE TRIGGER SoftDelete_Performances ON Performances

INSTEAD OF DELETE AS

BEGIN

SET NOCOUNT ON;

UPDATE Performances

SET IsDeleted = 'YES', WhenDeleted = GetDate()

WHERE Name IN (SELECT Name FROM deleted) AND PremiereDate IN (SELECT PremiereDate FROM deleted);

END

GO

DELETE FROM Performances WHERE Genre IS NULL


SELECT * FROM Performances

100 %

Results Messages

	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country	IsDeleted	WhenDeleted
1	#MyHusbandsFault	Liza Shopova	60	2020-02-05	Comedy	18	Antonia Popova	Elena Spasova	Bulgaria	NO	NULL
2	A Nice Lady in a Bad Company	Yurii Dachev	90	2019-11-07	Drama	12	Yurii Dachev	Radina Bliznakova	Bulgaria	NO	NULL
3	Albena	Krasimir Spasov	115	2017-03-16	Drama	18	Krasimir Vulkanov	Mariya Dimanova	Bulgaria	NO	NULL
4	An Ideal Husband	Tieri Arkur	100	2007-05-18	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria	NO	NULL
5	Dekameron	Diana Dobрева	125	2017-02-21	NULL	18	Nina Pashova	NinaPashova	Bulgaria	YES	2020-05-13 01:33:22.397
6	Dom Juan	Alexander Morfov	170	2006-09-29	Comedy	12	Alexander Morfov	Marina Raychinova	Bulgaria	NO	NULL
7	For Mice And Men	Asen Blatechki	130	2012-02-21	Drama	18	Elena Ivanova	Elena Ivanova	Bulgaria	NO	NULL
8	I Pay	Vladlen Aleksandrov	120	2010-10-30	Comedy	12	Elena Ivanova	Elena Ivanova	Bulgaria	NO	NULL
9	Karakoncolos	Stoyan Radev	80	2020-01-21	Monodrama	12	Elitsa Georgieva	Elitsa Georgieva	Bulgaria	NO	NULL
10	Love, love, love	Krasimir Spasov	95	2018-08-21	NULL	18	Krasimir Vulkanov	Maria Dimanova	Bulgaria	YES	2020-05-13 01:33:22.397
11	Network	Andrey Avramov	100	2019-12-16	Satire Drama	18	Antonia Popova	Elena Spasova	Bulgaria	NO	NULL
12	One night with you	Krasimir Spasov	115	2018-02-21	Drama	18	Krasimir Vulkanov	Krasimir Vulkanov	Bulgaria	NO	NULL
13	Peach Thief	Boyko Iliev	90	2008-12-19	Drama	12	Nina Pashova	Nina Pashova	Bulgaria	NO	NULL
14	Spinach with potatoes	Bogdan Petkanin	110	2016-10-25	Comedy	18	Petio Nachev	NULL	Bulgaria	NO	NULL
15	Sweetie	Emil Bonev	120	2020-02-20	Musical	12	Elena Ivanova	Elena Ivanova	Bulgaria	NO	NULL
16	The chicken that says KU	Ivan Yurukov	90	2010-09-25	NULL	18	Aleksandur Urumov	NULL	Bulgaria	YES	2020-05-13 01:33:22.397
17	The Credit	Bina Haralambieva	115	2018-06-21	Drama	12	Petya Stoykova	Velina Kokalova	Bulgaria	NO	NULL
18	The Goat or Who Is Sylvia?	Yavor Gardev	115	2009-10-11	Drama	16	Nikola Toromanov	Nikola Toromanov	Bulgaria	NO	NULL
19	The Son	Diana Dobрева	110	2020-01-18	Drama	12	Mira Kalanova	Mira Kalanova	Bulgaria	NO	NULL
20	The Spirit of the Poet	Margarita Mladenova	75	2013-04-07	Drama	14	Daniela Oleg Lyahova	Daniela Oleg Lyahova	Bulgaria	NO	NULL
21	Uncle Vanya	Nikolay Lambrev - Mihaylovski	115	2020-02-21	Drama	12	Nikolay Lambrev - Mihaylovski	Chayka Petrusheva	Bulgaria	NO	NULL
22	When Thunder Strikes, The Echo Fades	Bina Haralambieva	100	2019-03-25	Drama	12	Svila Velichkova	Svila Velichkova	Bulgaria	NO	NULL

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```

CREATE TRIGGER SoftDelete_Performances ON Performances
INSTEAD OF DELETE AS
BEGIN
    SET NOCOUNT ON;
    UPDATE Performances
    SET IsDeleted = 'YES', WhenDeleted = GetDate()
    WHERE Name IN (SELECT Name FROM deleted) AND PremiereDate IN (SELECT PremiereDate FROM deleted);
END
GO

DELETE FROM Performances WHERE Genre IS NULL

SELECT * FROM Performances_audits
  
```

100 %  Results  Messages

	Name	Producer	Duration	PremiereDate	Genre	AgeLimit	Playwright	CostumeDesigner	Country	IsDeleted	WhenDeleted	UpdatedAt
1	The chicken that says KU	Ivan Yurukov	90	2010-09-25	NULL	NULL	Aleksandur Urumov	NULL	Bulgaria	NO	NULL	2020-05-13
2	Spinach with potatoes	Bogdan Petkanin	110	2016-10-25	Comedy	NULL	Petio Nachev	NULL	Bulgaria	NO	NULL	2020-05-13
3	One night with you	Krasimir Spasov	115	2018-02-21	Drama	NULL	Krasimir Vulkanov	Krasimir Vulkanov	Bulgaria	NO	NULL	2020-05-13
4	Network	Andrey Avramov	100	2019-12-16	Satire Drama	NULL	Antonia Popova	Elena Spasova	Bulgaria	NO	NULL	2020-05-13
5	Love, love, love	Krasimir Spasov	95	2018-08-21	NULL	NULL	Krasimir Vulkanov	Maria Dimanova	Bulgaria	NO	NULL	2020-05-13
6	For Mice And Men	Asen Blatechki	130	2012-02-21	Drama	NULL	Elena Ivanova	Elena Ivanova	Bulgaria	NO	NULL	2020-05-13
7	Dekameron	Diana Dobрева	125	2017-02-21	NULL	NULL	Nina Pashova	NinaPashova	Bulgaria	NO	NULL	2020-05-13
8	Albena	Krasimir Spasov	115	2017-03-16	Drama	NULL	Krasimir Vulkanov	Mariya Dimanova	Bulgaria	NO	NULL	2020-05-13
9	#MyHusbandsFault	Liza Shopova	60	2020-02-05	Comedy	NULL	Antonia Popova	Elena Spasova	Bulgaria	NO	NULL	2020-05-13
10	The chicken that says KU	Ivan Yurukov	90	2010-09-25	NULL	18	Aleksandur Urumov	NULL	Bulgaria	NO	NULL	2020-05-13
11	Love, love, love	Krasimir Spasov	95	2018-08-21	NULL	18	Krasimir Vulkanov	Maria Dimanova	Bulgaria	NO	NULL	2020-05-13
12	Dekameron	Diana Dobрева	125	2017-02-21	NULL	18	Nina Pashova	NinaPashova	Bulgaria	NO	NULL	2020-05-13

Активирайте Windows

```

CREATE TABLE Theaters_audits(
    Name VARCHAR(100) NOT NULL,
    Year INT NOT NULL CHECK (Year > 0),
    Address VARCHAR(100),
    City VARCHAR(20) NOT NULL,
    Region VARCHAR(20) NOT NULL,
    PhoneNumber VARCHAR(64),
    Email VARCHAR(64)
    IsDeleted VARCHAR(3) DEFAULT 'NO',
    WhenDeleted DATE ,
    UpdatedAt DATE
);
  
```

```

CREATE TRIGGER SoftDelete_Theaters ON Theaters
INSTEAD OF DELETE AS
BEGIN
    SET NOCOUNT ON;
    UPDATE Theaters
    SET IsDeleted = 'YES', WhenDeleted = GetDate()
    WHERE Name IN (SELECT Name FROM deleted);
  
```


END
GO

```
CREATE TRIGGER Theaters_update_audits ON Theaters
AFTER UPDATE AS
BEGIN
INSERT INTO Theaters_audits (Name, Year, Address, City, Region, PhoneNumber,Email , IsDeleted,
WhenDeleted, UpdatedAt)
(Select Name, Year, Address, City, Region, PhoneNumber,Email , IsDeleted, WhenDeleted, GetDate())
FROM deleted);
END
GO
```

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USE theater
GO

SELECT * FROM Theaters

100 %

Results Messages

	Name	Year	Address	City	Region	PhoneNumber	Email	IsDeleted	WhenDeleted
1	Aleko Konstantinov Theater of Satire	1957	Stefan Karadza 26	Sofia	Sofia	070020766	theaterOfSatireSofia@abv.bg	NO	NULL
2	Antique Theater Plovdiv	1980	Tsar Iwaylo 4	Plovdiv	Plovdiv	032621040	antiqueTheaterPlovdiv@gmail.com	NO	NULL
3	Bulgarian Navy Theater	1936	Georgi Sava Rakovski 98	Sofia	Sofia	02 9872303	navyBulgarianTheater@gmail.com	NO	NULL
4	Dramatic Puppet Theater "Ivan Dimov"	1926	Otec Paisiy 40	Haskovo	Haskovo	038590492	dramaticTheaterIvanDimov@gmail.com	NO	NULL
5	Dramatic Puppet Theater "Nikola Vaptsarov"	1919	Georgi Izmirliiev - Makedonche 1	Blagoevgrad	Blagoevgrad	0879523729	dramaticTheaterNikolaVaptsarov@abv.bg	NO	NULL
6	Dramatic Puppet Theater-Vratsa	1938	Hristo Botev 1	Vratsa	Vratsa	092621081	dramaticPuppetTheaterVratsa@abv.bg	NO	NULL
7	Dramatic Theater "Geo Milev"	1950	Metodii Kusev 28	Stara Zagora	Stara Zagora	042622273	dramaticTheaterGeoMilev@abv.bg	NO	NULL
8	Dramatic Theater "Ivan Radoev"	1919	Vasil Levski 155	Pleven	Pleven	064 834 376	dramatic_theater_Ivan_Radoev@gmail.com	NO	NULL
9	Dramatic Theater "Sava Ognyanov"	1907	Svoboda 4	Ruse	Ruse	082830168	dramaticTheaterSavaOgnyanov@gmail.com	NO	NULL
10	Dramatic Theater "Stoyan Bachvarov"	1923	pl. Nezavisimost 1	Varna	Varna	052614600	dramaticTheaterStoyanBachvarov@gmail.com	NO	NULL
11	Dramatic Theater Lovech	1969	Targovska 49	Lovech	Lovech	068604194	dramaticTheaterLovech@gmail.com	NO	NULL
12	Dramatic Theater Plovdiv	1881	Knyaz Aleksandar I 38	Plovdiv	Plovdiv	032271271	dramaticTheaterPlovdiv@abv.bg	NO	NULL
13	Metropolitan Puppet Theater	1946	Yanko Sakazov 19	Sofia	Sofia	02 9441424	theaterMetroPuppetSofia@abv.bg	NO	NULL
14	Municipal Dramatic Theater "Boyan Danovski"	1919	Krakra Pernishki 3	Pernik	Pernik	076603203	municipalTheaterBoyanDanovski@gmail.com	NO	NULL
15	Municipal Puppet Theater "Apostol Karamitev"	1953	bul Dimitar Blagoev 13	Dimitrovgrad	Haskovo	039166336	municipalTheaterApostolKaramitev@gmail.com	NO	NULL
16	National palace of culture	1981	bul Bulgaria 1463	Sofia	Sofia	029166300	national_palace_of_culture@gmail.com	NO	NULL
17	National Theater "Ivan Vazov"	1962	Dyakon Ignatij 5	Sofia	Sofia	02 8119227	theaterIvanVazov@abv.bg	NO	NULL
18	Puppet Theater VESEL	1998	Bacho Kiro 2	Veliko Tarnovo	Veliko Tarnovo	0887790549	theaterVesel@gmail.com	NO	NULL
19	State Puppet Theater "Dora Gabe"	1963	25-6 Septemvri 44	Dobrich	Dobrich	058602483	statePuppetTheaterDoraGabe@abv.bg	NO	NULL
20	State Puppet Theater Burgas	1954	Kliment Ohridski 2	Burgas	Burgas	056841235	statePuppetTheaterBurgas@abv.bg	NO	NULL
21	State Puppet Theater Gabrovo	1970	St. St. Kiril and Metodii 11	Gabrovo	Gabrovo	066809951	statePuppetTheaterGabrovo@gmail.com	NO	NULL
22	State Puppet Theater Plovdiv	1946	Hristo Danev 14	Plovdiv	Plovdiv	032623275	statePuppetTheaterPlovdiv@abv.bg	NO	NULL
23	State Puppet Theater Ruse	1955	Knyazheska 9	Ruse	Ruse	082835804	statePuppetTheaterRuse@abv.bg	NO	NULL
24	State Puppet Theater Varna	1952	Gragoman 4	Varna	Varna	052607844	statePuppetTheaterVarna@gmail.com	NO	NULL
25	Theater "Balgaran"	2009	Bratya Shkopri 33	Varna	Varna	05262828	theaterBalgaran@abv.bg	NO	NULL
26	Theater Laboratory Sfumato	2011	D. Grekov 2	Sofia	Sofia	02 9433890	theaterSfumato@gmail.com	NO	NULL

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```
CREATE TRIGGER Theaters_update_audits ON Theaters
AFTER UPDATE AS
BEGIN
INSERT INTO Theaters_audits (Name, Year, Address, City, Region, PhoneNumber, Email, IsDeleted, WhenDeleted, UpdatedAt)
(Select Name, Year, Address, City, Region, PhoneNumber, Email, IsDeleted, WhenDeleted, GetDate()
FROM deleted);
END
GO

UPDATE Theaters SET Address = 'Dyakon Ignatij 5' WHERE Name LIKE 'A%'

SELECT * FROM Theaters
```

100 % ▾

Results Messages

	Name	Year	Address	City	Region	PhoneNumber	Email	IsDeleted	WhenDeleted
1	Aleko Konstantinov Theater of Satire	1957	Dyakon Ignatij 5	Sofia	Sofia	070020766	theaterOfSatireSofia@abv.bg	NO	NULL
2	Antique Theater Plovdiv	1980	Dyakon Ignatij 5	Plovdiv	Plovdiv	032621040	antiqueTheaterPlovdiv@gmail.com	NO	NULL
3	Bulgarian Navy Theater	1936	Georgi Sava Rakovski 98	Sofia	Sofia	02 9872303	navyBulgarianTheater@gmail.com	NO	NULL
4	Dramatic Puppet Theater "Ivan Dimov"	1926	Otec Paisij 40	Haskovo	Haskovo	038590492	dramaticTheaterIvanDimov@gmail.com	NO	NULL
5	Dramatic Puppet Theater "Nikola Vaptsarov"	1919	Georgi Izmirlijev - Makedonche 1	Blagoevgrad	Blagoevgrad	0879523729	dramaticTheaterNikolaVaptsarov@abv.bg	NO	NULL
6	Dramatic Puppet Theater-Vratsa	1938	Hristo Botev 1	Vratsa	Vratsa	092621081	dramaticPuppetTheaterVratsa@abv.bg	NO	NULL
7	Dramatic Theater "Geo Milev"	1950	Metodii Kusev 28	Stara Zagora	Stara Zagora	042622273	dramaticTheaterGeoMilev@abv.bg	NO	NULL
8	Dramatic Theater "Ivan Radoev"	1919	Vasil Levski 155	Pleven	Pleven	064 834 376	dramatic_theater_Ivan_Radoev@gmail.com	NO	NULL
9	Dramatic Theater "Sava Ognjanov"	1907	Svoboda 4	Ruse	Ruse	082830168	dramaticTheaterSavaOgnjanov@gmail.com	NO	NULL
10	Dramatic Theater "Stoyan Bachvarov"	1923	pl. Nezavisimost 1	Varna	Varna	052614600	dramaticTheaterStoyanBachvarov@gmail.com	NO	NULL
11	Dramatic Theater Lovech	1969	Targovska 49	Lovech	Lovech	068604194	dramaticTheaterLovech@gmail.com	NO	NULL
12	Dramatic Theater Plovdiv	1881	Knyaz Aleksandar I 38	Plovdiv	Plovdiv	032271271	dramaticTheaterPlovdiv@abv.bg	NO	NULL
13	Metropolitan Puppet Theater	1946	Yanko Sakazov 19	Sofia	Sofia	02 9441424	theaterMetroPuppetSofia@abv.bg	NO	NULL
14	Municipal Dramatic Theater "Boyan Danovski"	1919	Krakra Pernishki 3	Pernik	Pernik	076603203	municipalTheaterBoyanDanovski@gmail.com	NO	NULL
15	Municipal Puppet Theater "Apostol Karamitev"	1953	bul Dimitar Blagoev 13	Dimitrograd	Haskovo	039166336	municipalTheaterApostolKaramitev@gmail.com	NO	NULL
16	National palace of culture	1981	bul Bulgaria 1463	Sofia	Sofia	029166300	national_palace_of_culture@gmail.com	NO	NULL
17	National Theater "Ivan Vazov"	1962	Dyakon Ignatij 5	Sofia	Sofia	02 8119227	theaterIvanVazov@abv.bg	NO	NULL
18	Puppet Theater VESEL	1998	Bacho Kiro 2	Veliko Tarnovo	Veliko Tarnovo	0887790549	theaterVesel@gmail.com	NO	NULL
19	State Puppet Theater "Dora Gabe"	1963	25-6 Septemvri 44	Dobrich	Dobrich	058602483	statePuppetTheaterDoraGabe@abv.bg	NO	NULL
20	State Puppet Theater Burgas	1954	Kliment Ohridski 2	Burgas	Burgas	056841235	statePuppetTheaterBurgas@abv.bg	NO	NULL
21	State Puppet Theater Gabrovo	1970	St. St. Kiril and Metodii 11	Gabrovo	Gabrovo	066809951	statePuppetGabrovo@gmail.com	NO	NULL
22	State Puppet Theater Plovdiv	1946	Hristo Daniev 14	Plovdiv	Plovdiv	032623275	statePuppetTheaterPlovdiv@abv.bg	NO	NULL
23	State Puppet Theater Puzos	1955	Karadzha 9	Puzos	Puzos	083036804	statePuppetTheaterPuzos@abv.bg	NO	NULL

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```
CREATE TRIGGER Theaters_update_audits ON Theaters
AFTER UPDATE AS
BEGIN
INSERT INTO Theaters_audits (Name, Year, Address, City, Region, PhoneNumber, Email, IsDeleted, WhenDeleted, UpdatedAt)
(Select Name, Year, Address, City, Region, PhoneNumber, Email, IsDeleted, WhenDeleted, GetDate()
FROM deleted);
END
GO

UPDATE Theaters SET Address = 'Dyakon Ignatij 5' WHERE Name LIKE 'A%'

SELECT * FROM Theaters_audits
```

100 % ▾

Results Messages

	Name	Year	Address	City	Region	PhoneNumber	Email	IsDeleted	WhenDeleted	UpdatedAt
1	Antique Theater Plovdiv	1980	Tsar Ivaylo 4	Plovdiv	Plovdiv	032621040	antiqueTheaterPlovdiv@gmail.com	NO	NULL	2020-05-13
2	Aleko Konstantinov Theater of Satire	1957	Stefan Karadza 26	Sofia	Sofia	070020766	theaterOfSatireSofia@abv.bg	NO	NULL	2020-05-13

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CREATE TRIGGER SoftDelete_Theaters ON Theaters

INSTEAD OF DELETE AS

BEGIN

SET NOCOUNT ON;

UPDATE Theaters

SET IsDeleted = 'YES', WhenDeleted = GetDate()

WHERE Name IN (SELECT Name FROM deleted);

END

GO

DELETE FROM Theaters WHERE PhoneNumber LIKE '%4'

SELECT * FROM Theaters

100 %

Results Messages

	Name	Year	Address	City	Region	PhoneNumber	Email	IsDeleted	WhenDeleted
5	Dramatic Puppet Theater "Nikola Vaptsarov"	1919	Georgi Izmirliiev - Makedonche 1	Blagoevgrad	Blagoevgrad	0879523729	dramaticTheaterNikolaVaptsarov@abv.bg	NO	NULL
6	Dramatic Puppet Theater-Vratsa	1938	Hristo Botev 1	Vratsa	Vratsa	092621081	dramaticPuppetTheaterVratsa@abv.bg	NO	NULL
7	Dramatic Theater "Geo Milev"	1950	Melodii Kusev 28	Stara Zagora	Stara Zagora	042622273	dramatic_theaterGeoMilev@abv.bg	NO	NULL
8	Dramatic Theater "Ivan Radoev"	1919	Vasil Levski 155	Pleven	Pleven	064 834 376	dramatic_theaterIvan_Radoev@gmail.com	NO	NULL
9	Dramatic Theater "Sava Ognyanov"	1907	Svoboda 4	Ruse	Ruse	082830168	dramaticTheaterSavaOgnyanov@gmail.com	NO	NULL
10	Dramatic Theater "Stoyan Bachvarov"	1923	pl. Nezavisimost 1	Varna	Varna	052614600	dramaticTheaterStoyanBachvarov@gmail.com	NO	NULL
11	Dramatic Theater Lovech	1969	Targovska 49	Lovech	Lovech	068604194	dramaticTheaterLovech@gmail.com	YES	2020-05-13 01:42:25.940
12	Dramatic Theater Plovdiv	1881	Knyaz Aleksandar I 38	Plovdiv	Plovdiv	032271271	dramaticTheaterPlovdiv@abv.bg	NO	NULL
13	Metropolitan Puppet Theater	1946	Yanko Sakazov 19	Sofia	Sofia	02 9441424	theaterMetroPuppetSofia@abv.bg	YES	2020-05-13 01:42:25.940
14	Municipal Dramatic Theater "Boyan Danovski"	1919	Krakra Pernishki 3	Pernik	Pernik	076603203	municipalTheaterBoyanDanovski@gmail.com	NO	NULL
15	Municipal Puppet Theater "Apostol Karamitev"	1953	bul Dimitar Blagoev 13	Dimitrograd	Haskovo	039166336	municipalTheaterApostolKaramitev@gmail.com	NO	NULL
16	National palace of culture	1981	bul Bulgaria 1463	Sofia	Sofia	029166300	national_palace_of_culture@gmail.com	NO	NULL
17	National Theater "Ivan Vazov"	1962	Dyakon Ignatiy 5	Sofia	Sofia	02 8119227	theaterIvanVazov@abv.bg	NO	NULL
18	Puppet Theater VESEL	1998	Bacho Kiro 2	Veliko Tarnovo	Veliko Tarnovo	0887790549	theaterVesel@gmail.com	NO	NULL
19	State Puppet Theater "Dora Gabe"	1963	25-i Septemvri 44	Dobrich	Dobrich	058602483	statePuppetTheaterDoraGabe@abv.bg	NO	NULL
20	State Puppet Theater Burgas	1954	Kliment Ohridski 2	Burgas	Burgas	056841235	statePuppetTheaterBurgas@abv.bg	NO	NULL
21	State Puppet Theater Gabrovo	1970	St. St. Kiril and Metodii 11	Gabrovo	Gabrovo	066809951	statePuppetGabrovo@gmail.com	NO	NULL
22	State Puppet Theater Plovdiv	1946	Hristo Danev 14	Plovdiv	Plovdiv	032623275	statePuppetTheaterPlovdiv@abv.bg	NO	NULL
23	State Puppet Theater Ruse	1955	Knyazheska 9	Ruse	Ruse	082835804	statePuppetTheaterRuse@abv.bg	YES	2020-05-13 01:42:25.940
24	State Puppet Theater Varna	1952	Gragoman 4	Varna	Varna	052607844	statePuppetTheaterVarna@gmail.com	YES	2020-05-13 01:42:25.940
25	Theater "Balgaran"	2009	Bratya Shkopripl 33	Varna	Varna	05262828	theaterBalgaran@abv.bg	NO	NULL
26	Theater Laboratory Sfumat	2011	D. Grekov 2	Sofia	Sofia	02 9433890	theaterSfumat@gmail.com	NO	NULL

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CREATE TRIGGER SoftDelete_Theaters ON Theaters

INSTEAD OF DELETE AS

BEGIN

SET NOCOUNT ON;

UPDATE Theaters

SET IsDeleted = 'YES', WhenDeleted = GetDate()

WHERE Name IN (SELECT Name FROM deleted);

END

GO

DELETE FROM Theaters WHERE PhoneNumber LIKE '%4'

SELECT * FROM Theaters_audits

100 %

Results Messages

	Name	Year	Address	City	Region	PhoneNumber	Email	IsDeleted	WhenDeleted	UpdatedAt
1	Antique Theater Plovdiv	1980	Tsar Iwaylo 4	Plovdiv	Plovdiv	032621040	antiqueTheaterPlovdiv@gmail.com	NO	NULL	2020-05-13
2	Aleko Konstantinov Theater of Satire	1957	Stefan Karadzha 26	Sofia	Sofia	070020766	theaterOfSatireSofia@abv.bg	NO	NULL	2020-05-13
3	State Puppet Theater Varna	1952	Gragoman 4	Varna	Varna	052607844	statePuppetTheaterVarna@gmail.com	NO	NULL	2020-05-13
4	State Puppet Theater Ruse	1955	Knyazheska 9	Ruse	Ruse	082835804	statePuppetTheaterRuse@abv.bg	NO	NULL	2020-05-13
5	Metropolitan Puppet Theater	1946	Yanko Sakazov 19	Sofia	Sofia	02 9441424	theaterMetroPuppetSofia@abv.bg	NO	NULL	2020-05-13
6	Dramatic Theater Lovech	1969	Targovska 49	Lovech	Lovech	068604194	dramaticTheaterLovech@gmail.com	NO	NULL	2020-05-13

Оценка на реализацията и възможни подробности

След обсъждане определихме основните функционалности, които основната база данни трябва да притежава. По време на реализацията ѝ ни хрумваха идеи за бъдещи функционалности и разрастване на базата. Разбира се след завършването ѝ оценяваме, че някои заложили функционалности трябва да бъдат усъвършенствани. При попълването се забелязва, че има много информация, която се повтаря за различните функционалности и е необходимо това да бъде променено. След завършването ѝ осъзнахме, че не всички ключове на таблиците са подбрани правилно и е необходимо да се изберат нови, следователно и да се променят атрибутите. В момента имаме атрибут отговарящ за намалението отговарящо за основните групи ученици, студенти и пенсионери. Системата обаче няма функционалност, която следи дали клиентът действително попада в тази група и дали има право да закупи такъв билет. Винаги е имало много любители на театъра и специално за тях искаме да добавим функционалност, която да им предоставя намаление под формата на карта(годишна или месечна).