

File Edit View Help

SQLQuery_1.sql - finki-berati X

C:\Users\berati\Documents\GitHub> FINKI> D> Lab1> SQLQuery_1.sql

Run Cancel Disconnect Change Database: TelecomOperator Estimated Plan Enable Actual Plan Parse Enable SQLCMD To Notebook

79 GO
80
81 SELECT * FROM Client;
82 SELECT * FROM MobileOperator;
83 SELECT * FROM TelephoneNumber;
84 SELECT * FROM Agreement;
85 SELECT * FROM NumberPlan;

Results Messages

	SSN	City	Street	PhoneNumber	CType
1	123123123	Skopje	Partizanska	070123123	Individual
2	123456789	Skopje	Partizanska	070123456	Individual
3	321321321	Skopje	Partizanska	070321321	Individual
4	987654321	Skopje	Partizanska	070654321	Individual

	OperatorID	OperatorName	Description
1	1	Vip.One	Vip Operator
2	2	T-Mobile	T-Mobile Operator

	PhoneNumber	ClientSSN
1	070123123	123123123
2	070123456	123456789
3	070321321	321321321
4	070654321	987654321

	Date	OperatorID	PhoneNumber	ClientSSN
1	2015-01-01	1	070123456	123456789
2	2015-01-01	1	070654321	987654321
3	2015-01-01	1	070123123	123123123
4	2015-01-01	1	070321321	321321321
5	2015-01-01	1	070123456	123456789

PROBLEMS OUTPUT TERMINAL TASKS

✓ Create database succeeded 12:54:07 PM - 12:57:01 PM (00:01:14)

0 0 0

Ln 83, Col 31 Spaces: 4 UTF-8 CRLF SQL 22 rows Choose SQL Language 000001 finki-berati.database.windows.net - TelecomOperator

```
CREATE TABLE Client (
    SSN INT PRIMARY KEY NOT NULL,
    City VARCHAR (50),
    Street VARCHAR (50),
    PhoneNumber VARCHAR (10) UNIQUE NOT NULL,
    CType VARCHAR (10)
);

GO

CREATE TABLE MobileOperator(
    OperatorID INT PRIMARY KEY NOT NULL,
    OperatorName VARCHAR (20) NOT NULL CHECK (OperatorName IN ('Vip.One',
'T-Mobile')),
    ODescription VARCHAR (255)
);

GO

CREATE TABLE TelephoneNumber(
    PhoneNumber VARCHAR (10) PRIMARY KEY NOT NULL CHECK (PhoneNumber LIKE '%'),
    ClientSSN INT NOT NULL,
    FOREIGN KEY (ClientSSN) REFERENCES Client (SSN) ON DELETE CASCADE,
);

GO

CREATE TABLE Agreement(
    Date DATE,
```

```

    OperatorID INT NOT NULL,
    PhoneNumber VARCHAR (10) NOT NULL,
    ClientSSN INT NOT NULL,
    FOREIGN KEY (OperatorID) REFERENCES MobileOperator (OperatorID) ON DELETE CASCADE,
    FOREIGN KEY (PhoneNumber) REFERENCES TelephoneNumber (PhoneNumber) ON DELETE
CASCADE,
    FOREIGN KEY (ClientSSN) REFERENCES Client (SSN)
);

GO

CREATE TABLE NumberPlan(
    PlanID INT PRIMARY KEY NOT NULL,
    Name VARCHAR(50),
    Description VARCHAR(255),
    Price INT NOT NULL CHECK (Price > 0)
);

GO

INSERT INTO Client VALUES (123456789, 'Skopje', 'Partizanska', '070123456',
'Individual');
INSERT INTO Client VALUES (987654321, 'Skopje', 'Partizanska', '070654321',
'Individual');
INSERT INTO Client VALUES (123123123, 'Skopje', 'Partizanska', '070123123',
'Individual');
INSERT INTO Client VALUES (321321321, 'Skopje', 'Partizanska', '070321321',
'Individual');

GO

INSERT INTO MobileOperator VALUES (1, 'Vip.One', 'Vip Operator');
INSERT INTO MobileOperator VALUES (2, 'T-Mobile', 'T-Mobile Operator');

GO

INSERT INTO TelephoneNumber VALUES ('070123456', 123456789);
INSERT INTO TelephoneNumber VALUES ('070654321', 987654321);
INSERT INTO TelephoneNumber VALUES ('070123123', 123123123);
INSERT INTO TelephoneNumber VALUES ('070321321', 321321321);

GO

INSERT INTO Agreement VALUES ('2015-01-01', 1, '070123456', 123456789);
INSERT INTO Agreement VALUES ('2015-01-01', 1, '070654321', 987654321);
INSERT INTO Agreement VALUES ('2015-01-01', 1, '070123123', 123123123);
INSERT INTO Agreement VALUES ('2015-01-01', 1, '070321321', 321321321);

```

GO

```
INSERT INTO NumberPlan VALUES (1, 'Plan 1', 'Plan 1', 100);
INSERT INTO NumberPlan VALUES (2, 'Plan 2', 'Plan 2', 200);
INSERT INTO NumberPlan VALUES (3, 'Plan 3', 'Plan 3', 300);
INSERT INTO NumberPlan VALUES (4, 'Plan 4', 'Plan 4', 400);
```

GO

```
SELECT * FROM Client;
SELECT * FROM MobileOperator;
SELECT * FROM TelephoneNumber;
SELECT * FROM Agreement;
SELECT * FROM NumberPlan;
```

The screenshot shows the Azure Data Studio interface. The top pane displays a SQL query window titled 'SQLQuery_2.sql - finki_...(berat) X'. The query contains several SELECT statements for the 'Hotel' database. The bottom pane shows the 'Results' tab with three tables of data.

Table 1: Client

ClientID	FirstName	LastName	Address	Country
1	Berat	Ahmetaj	Skopje	MK
2	Atanasie	Zaev	Skopje	MK
3	David	Spiridonovski	Skopje	MK

Table 2: Hotel

HotelID	Name	Address	Rating	City	Country
1	FINKI HOTEL	Karposh	9	Skopje	MK
2	FEIT HOTEL	Karposh	4	Skopje	MK

Table 3: RoomType

TypeID	Name	NumBeds	NumPersons
1	STUDIO	1	1
2	FAMILY	3	4
3	4COMBO	4	4

The interface also shows a 'PROBLEMS' tab with a message: 'Create database succeeded' at 12:25:47 PM - 12:27:01 PM (00:01:14).

THE HOTEL WAS MADE WITH HELP OF GUI OF THE AZURE DATA STUDIO THATS WHY THERE IS SQL CODE THAT MIGHT LOOK WEIRD

```
CREATE TABLE [dbo].[Client] (
    [ClientID] INT IDENTITY (1, 1) NOT NULL,
    [FirstName] VARCHAR (50) NOT NULL,
    [LastName] VARCHAR (50) NOT NULL,
    [Address] TEXT NULL,
    [Country] VARCHAR (50) NOT NULL,
```

```

        CONSTRAINT [PK_Client] PRIMARY KEY CLUSTERED ([ClientID] ASC)
    );

CREATE TABLE [dbo].[Hotel] (
    [HotelID] INT IDENTITY (1, 1) NOT NULL,
    [Name] VARCHAR (50) NOT NULL,
    [Address] TEXT NOT NULL,
    [Rating] INT NULL,
    [City] VARCHAR (50) NOT NULL,
    [Country] VARCHAR (50) NOT NULL,
    CONSTRAINT [PK_Hotel] PRIMARY KEY CLUSTERED ([HotelID] ASC)
);

CREATE TABLE [dbo].[Reservation] (
    [ReservationID] INT IDENTITY (1, 1) NOT NULL,
    [ClientID] INT NOT NULL,
    [HotelID] INT NOT NULL,
    [RoomTypeID] INT NOT NULL,
    [ReservationDate] DATE NULL,
    [ArrivalDate] DATE NULL,
    [DepartureDate] DATE NULL,
    CONSTRAINT [PK_Reservation] PRIMARY KEY CLUSTERED ([ReservationID] ASC),
    CONSTRAINT [FK_HOTEL] FOREIGN KEY ([HotelID]) REFERENCES [dbo].[Hotel]
    ([HotelID]),
    CONSTRAINT [FK_Reservation_Client] FOREIGN KEY ([ClientID]) REFERENCES
[dbo].[Client] ([ClientID]),
    CONSTRAINT [FK_ROOMTYPE] FOREIGN KEY ([RoomTypeID]) REFERENCES [dbo].[RoomType]
    ([TypeID])
);

CREATE TABLE [dbo].[Room] (
    [RoomID] INT IDENTITY (1, 1) NOT NULL,
    [HotelID] INT NOT NULL,
    [TypeID] INT NOT NULL,
    [Floor] VARCHAR (50) NOT NULL,
    CONSTRAINT [PK_Room] PRIMARY KEY CLUSTERED ([RoomID] ASC),
    CONSTRAINT [FK_Room_Hotel] FOREIGN KEY ([HotelID]) REFERENCES [dbo].[Hotel]
    ([HotelID]),
    CONSTRAINT [FK_Room_RoomType] FOREIGN KEY ([TypeID]) REFERENCES [dbo].[RoomType]
    ([TypeID])
);

CREATE TABLE [dbo].[RoomType] (
    [TypeID] INT IDENTITY (1, 1) NOT NULL,
    [Name] VARCHAR (50) NOT NULL,
    [NumBeds] INT NOT NULL,

```

```
    [NumPersons] INT NOT NULL,  
    CONSTRAINT [PK_RoomType] PRIMARY KEY CLUSTERED ([TypeID] ASC)  
);  
  
SELECT * FROM Client;  
SELECT * FROM Hotel;  
SELECT * FROM RoomType;  
SELECT * FROM Room;  
SELECT * FROM Reservation;
```