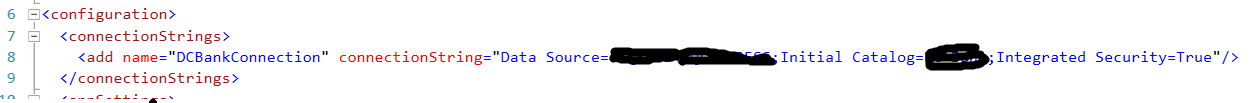
Database Instructions

**Step-1:** Check the web config file connection in Web API config.

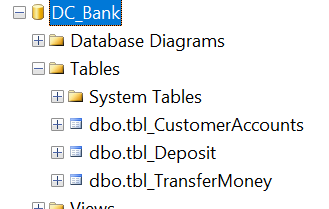


<connectionStrings>

<add name="DCBankConnection" connectionString="Data Source=xxxxxxx\SQLEXPRESS;Initial Catalog=DC\_Bank;Integrated Security=True"/>

</connectionStrings>

**Step-2:** Create Database name “DC\_Bank” and create tables like below (image)



**Table-1:**

USE [DC\_Bank]

GO

/\*\*\*\*\*\* Object: Table [dbo].[tbl\_CustomerAccounts] Script Date: 8/10/2022 8:45:20 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[tbl\_CustomerAccounts](

[Fname] [varchar](255) NULL,

[Lname] [varchar](255) NULL,

[BOD] [varchar](255) NULL,

[Gender] [varchar](255) NULL,

[Email] [varchar](255) NULL,

[PhoneNumber] [varchar](255) NULL,

[AccountID] [nvarchar](250) NOT NULL,

[AccountBalance] [decimal](18, 4) NULL,

[TransationDatetime] [datetime] NULL CONSTRAINT [DF\_tbl\_CustomerAccounts\_TransationDatetime] DEFAULT (getdate()),

CONSTRAINT [PK\_tbl\_CustomerAccounts] PRIMARY KEY CLUSTERED

(

[AccountID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

**Table-2:**

USE [DC\_Bank]

GO

/\*\*\*\*\*\* Object: Table [dbo].[tbl\_Deposit] Script Date: 8/10/2022 8:46:47 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[tbl\_Deposit](

[DepositID] [int] IDENTITY(1,1) NOT NULL,

[AccountID] [nvarchar](250) NOT NULL,

[Name] [varchar](50) NULL,

[CurrentBalance] [decimal](18, 4) NULL,

[Mode] [varchar](50) NULL,

[DepositAmount] [decimal](18, 4) NULL,

[TransationDatetime] [datetime] NULL CONSTRAINT [DF\_tbl\_Deposit\_TransationDatetime] DEFAULT (getdate()),

CONSTRAINT [PK\_tbl\_Deposit] PRIMARY KEY CLUSTERED

(

[DepositID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

ALTER TABLE [dbo].[tbl\_Deposit] WITH CHECK ADD CONSTRAINT [FK\_tbl\_Deposit\_tbl\_CustomerAccounts] FOREIGN KEY([AccountID])

REFERENCES [dbo].[tbl\_CustomerAccounts] ([AccountID])

GO

ALTER TABLE [dbo].[tbl\_Deposit] CHECK CONSTRAINT [FK\_tbl\_Deposit\_tbl\_CustomerAccounts]

GO

**Table-3:**

USE [DC\_Bank]

GO

/\*\*\*\*\*\* Object: Table [dbo].[tbl\_TransferMoney] Script Date: 8/10/2022 8:47:05 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[tbl\_TransferMoney](

[TransactionID] [int] IDENTITY(1,10000) NOT NULL,

[FromAccountID] [nvarchar](250) NULL,

[FromAccountName] [varchar](150) NULL,

[FromAccountBalance] [varchar](150) NULL,

[DestinationAccountID] [nvarchar](250) NULL,

[TransferAmount] [decimal](18, 4) NULL,

[TransationDatetime] [datetime] NULL CONSTRAINT [DF\_tbl\_TransferMoney\_TransationDatetime] DEFAULT (getdate()),

CONSTRAINT [PK\_tbl\_TransferMoney] PRIMARY KEY CLUSTERED

(

[TransactionID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

***Store Procedures***

**Proc-1: for Insert New Customer Information:**

USE [DC\_Bank]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[sp\_StoreCustomerInfor] Script Date: 8/10/2022 8:49:21 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE PROCEDURE [dbo].[sp\_StoreCustomerInfor]

@Fname VARCHAR(50),

@Lname VARCHAR(50),

@BOD VARCHAR(50),

@Gender VARCHAR(50),

@Email VARCHAR(50),

@PhoneNumber VARCHAR(50),

@AccountID VARCHAR(50),

@AccountBalance VARCHAR(50)

/\*

exec sp\_StoreCustomerInfor 'Jhon','Bendi','14/06/1994','','Jhon@gmail.com','0929144399','MZ83784796162698335463226','10000'

exec sp\_StoreCustomerInfor 'Jhon','Bendi','14/06/1994','0','Jhon@gmail.com','0929144399','AL79614566132257778166657989','10000'

select \* from [DC\_Bank].[dbo].[tbl\_CustomerAccounts] order by TransationDateTime desc

\*/

AS

BEGIN

INSERT INTO [DC\_Bank].[dbo].[tbl\_CustomerAccounts]

(Fname,Lname,BOD,Gender,Email,PhoneNumber,AccountID,AccountBalance)

VALUES (@Fname,@Lname,@BOD,@Gender,@Email,@PhoneNumber,@AccountID,@AccountBalance)

END

GO

**Proc-2: for Insert new transfer Information & update the main balance in** tbl\_CustomerAccounts **table:**

USE [DC\_Bank]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[sp\_InsertTransforAmount] Script Date: 8/10/2022 8:50:53 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE PROCEDURE [dbo].[sp\_InsertTransforAmount]

@FromAccountID VARCHAR(50),

@FromAccountName VARCHAR(50),

@FromAccountBalance VARCHAR(50),

@DestinationAccountID VARCHAR(50),

@TransferAmount VARCHAR(50)

/\*

exec sp\_InsertTransforAmount 'AO21323897538621989332657','Goli2','5002','AO08189831331366764982236','10'

select \* from [tbl\_CustomerAccounts] where AccountID='AO21323897538621989332657'

select \* from [tbl\_TransferMoney] where [DestinationAccountID]='AO08189831331366764982236'

\*/

AS

BEGIN

UPDATE [DC\_Bank].[dbo].[tbl\_CustomerAccounts] SET AccountBalance = (AccountBalance+@TransferAmount) WHERE AccountID = @DestinationAccountID

UPDATE [DC\_Bank].[dbo].[tbl\_CustomerAccounts] SET AccountBalance = (AccountBalance-@TransferAmount) WHERE AccountID = @FromAccountID

INSERT INTO [DC\_Bank].[dbo].[tbl\_TransferMoney] ([FromAccountID],[FromAccountName],[FromAccountBalance],[DestinationAccountID],[TransferAmount])

VALUES (@FromAccountID,@FromAccountName,@FromAccountBalance,@DestinationAccountID,@TransferAmount)

END

GO

**Proc-3: for Insert new deposit amount Information & update the main balance in** tbl\_CustomerAccounts **table:**

USE [DC\_Bank]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[sp\_UpdateCustomerBalance] Script Date: 8/10/2022 8:52:52 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE PROCEDURE [dbo].[sp\_UpdateCustomerBalance]

@AccountID VARCHAR(50),

@Name VARCHAR(50),

@Mode VARCHAR(50),

--@AccountBalance VARCHAR(50),

@DepositAmount VARCHAR(50)

/\*

exec sp\_UpdateCustomerBalance 'AO08189831331366764982236','gandhi','0','2000'

select \* from [DC\_Bank].[dbo].[tbl\_CustomerAccounts] WHERE AccountID ='AO21323897538621989332657'

select \* from [DC\_Bank].[dbo].[tbl\_Deposit] WHERE AccountID ='AO21323897538621989332657'

\*/

AS

BEGIN

UPDATE [DC\_Bank].[dbo].[tbl\_CustomerAccounts] SET AccountBalance = (AccountBalance+@DepositAmount) WHERE AccountID = @AccountID

INSERT INTO [DC\_Bank].[dbo].[tbl\_Deposit] ([AccountID],[Name],[CurrentBalance],[Mode],[DepositAmount])

VALUES (@AccountID,@Name,@DepositAmount,@Mode,@DepositAmount)

END

GO

**Sample Data in tables:**

