## CREATE PROC dbo.usp\_SelecetFullnamePersons

# AS

# SELECT p.FirstName + ' ' + p.LastName AS [Full name]

# FROM Persons AS p

# GO

## CREATE PROC dbo.usp\_SelectPersonsWithMoreMoneyThan(@minMoney int = 100)

# AS

# SELECT p.FirstName + ' ' + p.LastName AS [Full name], a.Balance

# FROM Persons AS p

# JOIN Accounts AS a

# ON p.PersonId = a.PersonId

# WHERE a.Balance > @minMoney

# GO

## CREATE PROC dbo.usp\_CalculateInterest

# (@sum money = 1000,

# @yearlyInterest float = 0.04,

# @months int = 12,

# @result money OUTPUT)

# AS

# SET @result = @sum \* @yearlyInterest / @months

# GO

# *To execute procedure:*

# DECLARE @answer money

# EXEC dbo.usp\_CalculateInterest

# @sum = 5398.34,

# @yearlyInterest = 0.06,

# @months = 7,

# @result = @answer OUTPUT

# SELECT 'The interest is: ', @answer

## CREATE PROC dbo. usp\_PersonMounthlyInterest

# (@personAccountId int,

# @personYearlyInterest float)

# AS

# DECLARE @balance money

# DECLARE @interest money

# SET @balance = (SELECT am.Balance

# FROM Accounts AS am

# WHERE am.AccounId = @personAccountId)

# EXEC dbo.usp\_CalculateInterest @balance, @personYearlyInterest, 1, @interest OUTPUT

# SELECT p.FirstName + ' ' + p.LastName AS [Person],

# @interest AS [Interest]

# FROM Persons AS p

# JOIN Accounts AS a

# ON p.PersonId = a.PersonId

# WHERE a.AccounId = @personAccountId

# GO

# *To execute procedure:*

# EXEC dbo.usp\_PersonMounthlyInterest 3, 0.06

## CREATE PROC dbo.usp\_WithDrawMoney(@fromAccountId int, @amount money)

# AS

# DECLARE @balance money

# SET @balance = (SELECT am.Balance

# FROM Accounts AS am

# WHERE am.AccounId = @fromAccountId) - @amount

# UPDATE Accounts

# SET Balance = @balance

# WHERE AccounId = @fromAccountId

# GO

# *To execute procedure:*

# EXEC dbo.usp\_WithDrawMoney 5, 300

# CREATE PROC dbo.usp\_DepositMoney(@toAccountId int, @amount money)

# AS

# DECLARE @balance money

# SET @balance = (SELECT am.Balance

# FROM Accounts AS am

# WHERE am.AccounId = @toAccountId) + @amount

# UPDATE Accounts

# SET Balance = @balance

# WHERE AccounId = @toAccountId

# GO

# *To execute procedure:*

# EXEC dbo.usp\_DepositMoney 5, 300

## CREATE TRIGGER tr\_AccountAmountChange ON Accounts AFTER UPDATE

# AS

# INSERT INTO Logs(AccountId, OldSum, NewSum)

# SELECT d.AccounId, d.Balance, i.Balance

# FROM deleted AS d

# JOIN inserted AS i

# ON d.AccounId = i.AccounId

# GO

## CREATE FUNCTION ufn\_SelectNamesAndTowns(@letters nvarchar(20))

# RETURNS @correctNames TABLE

# (CorrectName nvarchar(20))

# AS

# BEGIN

# DECLARE @initialNames TABLE

# (InintialName nvarchar(20))

# 

# INSERT INTO @initialNames (InintialName)

# (SELECT f.FirstName

# FROM Employees AS f UNION

# SELECT m.MiddleName

# FROM Employees AS m UNION

# SELECT l.LastName

# FROM Employees AS l UNION

# SELECT t.Name

# FROM Towns AS t)

# 

# DECLARE namesCursor CURSOR READ\_ONLY FOR

# SELECT InintialName FROM @initialNames

# OPEN namesCursor

# DECLARE @currentName nvarchar(20)

# FETCH NEXT FROM namesCursor INTO @currentName

# 

# WHILE @@FETCH\_STATUS = 0

# BEGIN

# DECLARE @isCorrectName bit = 1

# DECLARE @lettersLen int = LEN(@letters)

# WHILE @lettersLen > 0

# BEGIN

# IF (CHARINDEX(SUBSTRING(@letters,@lettersLen,1),@currentName)< 1)

# BEGIN

# SET @isCorrectName = 0

# END

# SET @lettersLen = @lettersLen - 1

# END

# IF @isCorrectName = 1

# BEGIN

# INSERT INTO @correctNames (CorrectName)

# SELECT @currentName

# END

# FETCH NEXT FROM namesCursor INTO @currentName

# END

# CLOSE namesCursor

# DEALLOCATE namesCursor

# RETURN

# END

# 

# GO