

Iyad Shobaki  
FALL 2018\_Microsoft SQL Server Database (CPD222)  
Professor Shanda-lyn Yaeger  
Stored Procedures, Week 11  
11/6/2018

1. Create a stored procedure on the Northwind database that returns all of the employee information given the parameter of employee id. Include a statement to run the procedure.

```
USE NORTHWND
GO

create proc spEmployeeInfoByID
@EmployeeID int
as
select * from Employees
where EmployeeID = @EmployeeID
Go

exec spEmployeeInfoByID 1
```

The screenshot shows the SQL Server Enterprise Manager interface. The top pane displays the SQL query script for creating and executing the stored procedure `spEmployeeInfoByID`. The bottom pane shows the results of the query execution, which returned a single row of employee information for EmployeeID 1.

SQLQuery1.sql - IYA...D (IYAD\iyads (55))

```
USE NORTHWND
GO
create proc spEmployeeInfoByID
@EmployeeID int
as
select * from Employees
where EmployeeID = @EmployeeID
go
exec spEmployeeInfoByID 1
```

Results

EmployeeID	Last Name	First Name	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode	Country	HomePhone
1	Davolio	Nancy	Sales Representative	Ms.	1948-12-08 00:00:00.000	1992-05-01 00:00:00.000	507 - 20th Ave. E. Apt. 2A	Seattle	WA	98122	USA	(206) 555-9857

Query executed successfully. IYAD (14.0 RTM) IYAD\iyads (55) NORTHWND 00:00:00 1 rows

2. Write a stored procedure to insert a new employee into the table.

```
USE NORTHWND
GO

CREATE PROC spInsertEmployee
    @LastName nvarchar(40),
    @FirstName nvarchar(20),
    @Title nvarchar(60),
    @TitleofCourtesy nvarchar(50) = null,
    @BirthDate datetime,
    @HireDate datetime,
    @Address nvarchar(120) = null,
    @city nvarchar(30) = null,
    @Region nvarchar(30) = null,
    @PostalCode nvarchar(20) = null,
    @HomePhone nvarchar(48) = null
AS
    set @HireDate = convert(datetime, getdate())
    INSERT INTO
Employees(LastName,FirstName,Title,TitleOfCourtesy,BirthDate,HireDate,Address,City
,Region,PostalCode,HomePhone)
VALUES
    (@LastName,
    @FirstName,
    @Title,
    @TitleofCourtesy,
    @BirthDate,
    @HireDate,
    @Address,
    @city,
    @Region,
    @PostalCode,
    @HomePhone
)
GO

Declare @HireDate datetime
EXEC spInsertEmployee
    @LastName = 'Beesley',
    @FirstName = 'Pam',
    @HireDate = @HireDate,
    @BirthDate = '12/30/1972',
    @Title = 'Receptionist',
    @HomePhone = '330-555-5555'
```

SQLQuery1.sql - IYA...D (IYAD\iyads (57))

```

USE NORTHWND
GO

CREATE PROC spInsertEmployee @LastName nvarchar(40), @FirstName nvarchar(20), @Title nvarchar(60), @TitleOfCourtesy nvarchar(50) = null, @BirthDate datetime,
@HireDate datetime, @Address nvarchar(120) = null, @City nvarchar(30) = null, @Region nvarchar(30) = null, @PostalCode nvarchar(20) = null, @HomePhone nvarchar(48) = null
AS
    set @HireDate = convert(datetime, getdate())
    INSERT INTO Employees (LastName, FirstName, Title, TitleOfCourtesy, BirthDate, HireDate, Address, City, Region, PostalCode, HomePhone)
    VALUES
    (@LastName, @FirstName, @Title, @TitleOfCourtesy, @BirthDate, @HireDate, @Address, @City, @Region, @PostalCode, @HomePhone)
GO

Declare @HireDate datetime
EXEC spInsertEmployee
    @LastName = 'Beesley',
    @FirstName = 'Pam',
    @HireDate = @HireDate,
    @BirthDate = '12/30/1972',
    @Title = 'Receptionist',
    @HomePhone = '330-555-5555'

```

81 %

Messages

(1 row affected)

81 %

Query executed successfully. IYAD (14.0 RTM) IYAD\iyads (57) NORTHWND 00:00:00 0 rows

SQLQuery1.sql - IYA...D (IYAD\iyads (57))

```

USE NORTHWND
GO

CREATE PROC spInsertEmployee @LastName nvarchar(40), @FirstName nvarchar(20), @Title nvarchar(60), @TitleOfCourtesy nvarchar(50) = null, @BirthDate datetime,
@HireDate datetime, @Address nvarchar(120) = null, @City nvarchar(30) = null, @Region nvarchar(30) = null, @PostalCode nvarchar(20) = null, @HomePhone nvarchar(48) = null
AS
    set @HireDate = convert(datetime, getdate())
    INSERT INTO Employees (LastName, FirstName, Title, TitleOfCourtesy, BirthDate, HireDate, Address, City, Region, PostalCode, HomePhone)
    VALUES
    (@LastName, @FirstName, @Title, @TitleOfCourtesy, @BirthDate, @HireDate, @Address, @City, @Region, @PostalCode, @HomePhone)
GO

Declare @HireDate datetime
EXEC spInsertEmployee
    @LastName = 'Beesley',
    @FirstName = 'Pam',
    @HireDate = @HireDate,
    @BirthDate = '12/30/1972',
    @Title = 'Receptionist',
    @HomePhone = '330-555-5555'

select * from Employees

```

81 %

Results Messages

EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode	Country	HomePhone	Extension
1	Davolio	Nancy	Sales Representative	Ms.	1948-12-08 00:00:00.000	1992-05-01 00:00:00.000	507 - 2...	Seattle	WA	98122	USA	(206) 555-9857	5467
2	Fuller	Andrew	Vice President, Sales	Dr.	1952-02-19 00:00:00.000	1992-08-14 00:00:00.000	908 W...	Tacoma	WA	98401	USA	(206) 555-9482	3457
3	Leverling	Janet	Sales Representative	Ms.	1963-08-30 00:00:00.000	1992-04-01 00:00:00.000	722 Mo...	Kirkland	WA	98033	USA	(206) 555-3412	3355
4	Peacock	Margaret	Sales Representative	Mrs.	1937-09-19 00:00:00.000	1993-05-03 00:00:00.000	4110 Ol...	Redmond	WA	98052	USA	(206) 555-8122	5176
5	Buchanan	Steven	Sales Manager	Mr.	1955-03-04 00:00:00.000	1993-10-17 00:00:00.000	14 Garr...	London	NULL	SW1 8JR	UK	(71) 555-4848	3453
6	Suyama	Michael	Sales Representative	Mr.	1963-07-02 00:00:00.000	1993-10-17 00:00:00.000	Coventr...	London	NULL	EC2 7JR	UK	(71) 555-7773	428
7	King	Robert	Sales Representative	Mr.	1960-05-29 00:00:00.000	1994-01-02 00:00:00.000	Edgeha...	London	NULL	RG1 9SP	UK	(71) 555-5598	465
8	Callahan	Laura	Inside Sales Coordinator	Ms.	1958-01-09 00:00:00.000	1994-03-05 00:00:00.000	4726 - ...	Seattle	WA	98105	USA	(206) 555-1189	2344
9	Dodsworth	Anne	Sales Representative	Ms.	1966-01-27 00:00:00.000	1994-11-15 00:00:00.000	7 Houn...	London	NULL	WG2 7LT	UK	(71) 555-4444	452
10	Beesley	Pam	Receptionist	NULL	1972-12-30 00:00:00.000	2018-11-07 12:18:20.900	NULL	NULL	NULL	NULL	NULL	330-555-5555	NULL

81 %

Query executed successfully. IYAD (14.0 RTM) IYAD\iyads (57) NORTHWND 00:00:00 10 rows