--Assignment 3

--Enze Zhang

USE Northwind

GO

--1)

CREATE VIEW view\_product\_order\_Zhang

AS

SELECT p.ProductID, p.ProductName, SUM(od.Quantity) AS TotalOrderQty

FROM Products p JOIN [Order Details] od ON p.ProductID = od.ProductID

GROUP BY p.ProductID, p.ProductName

GO

SELECT \* FROM view\_product\_order\_Zhang

GO

--2)

CREATE PROC sp\_product\_order\_quantity\_Zhang

@pid int,

@pQty int OUT

AS

BEGIN

SELECT @pQty = v.TotalOrderQty

FROM view\_product\_order\_Zhang v

WHERE @pid = v.ProductID

END

GO

DECLARE @P2Qty int

EXEC sp\_product\_order\_quantity\_Zhang 24, @P2Qty OUT

SELECT @P2Qty AS TotalOrderQty

GO

--3)

CREATE PROC sp\_product\_order\_city\_Zhang

@pName varchar(30)

AS

BEGIN

SELECT TOP 5 c.City,SUM(od.Quantity) AS TotalQtyByCity

FROM Products p JOIN [Order Details] od ON p.ProductID = od.ProductID JOIN Orders o ON od.OrderID = o.OrderID JOIN Customers c ON o.CustomerID = c.CustomerID

WHERE @pName = p.ProductName

GROUP BY c.City

ORDER BY TotalQtyByCity DESC

END

GO

DECLARE @PPName varchar(30)

SET @PPName = 'Chai'

EXEC sp\_product\_order\_city\_Zhang @PPName

GO

--4)

CREATE TABLE city\_Zhang(

Id int,

City varchar(20)

)

GO

CREATE TABLE people\_Zhang(

Id int,

Name varchar(20),

City int

)

GO

INSERT INTO city\_Zhang VALUES(1,'Seattle')

INSERT INTO city\_Zhang VALUES(2,'Green Bay')

INSERT INTO people\_Zhang VALUES(1, 'Aaron Rodgers', 2)

INSERT INTO people\_Zhang VALUES(2, 'Russell Wilson', 1)

INSERT INTO people\_Zhang VALUES(3,'Jody Nelson', 2)

GO

DELETE FROM city\_Zhang

WHERE City = 'Seattle'

INSERT INTO city\_Zhang VALUES(3,'Madison')

UPDATE people\_Zhang

SET City = 3

WHERE City = 1

GO

CREATE VIEW Packers\_Enze\_Zhang

AS

SELECT p.Name

FROM people\_Zhang p JOIN city\_Zhang c ON p.City = c.Id

WHERE c.City = 'Green Bay'

GO

SELECT \*

FROM Packers\_Enze\_Zhang

GO

DROP VIEW Packers\_Enze\_Zhang

DROP TABLE people\_Zhang

DROP TABLE city\_Zhang

GO

--5)

CREATE PROC sp\_birthday\_employees\_Zhang

AS

CREATE TABLE birthday\_employees\_Zhang(

EmployeeID int,

LastName varchar(20),

FirstName varchar(20)

)

INSERT INTO birthday\_employees\_Zhang (EmployeeID,LastName,FirstName)

SELECT EmployeeID,LastName,FirstName

FROM Employees

WHERE MONTH(BirthDate) = 2

SELECT \* FROM birthday\_employees\_Zhang

DROP TABLE birthday\_employees\_Zhang

GO

EXEC sp\_birthday\_employees\_Zhang

日程表

中度可信度描述已自动生成

--6)

CREATE TABLE CheckTable1(

Data1 int,

Data2 int

)

INSERT INTO CheckTable1 VALUES (20, 100)

INSERT INTO CheckTable1 VALUES (30, 150)

SELECT \* FROM CheckTable1

CREATE TABLE CheckTable2(

Data1 int,

Data2 int

)

INSERT INTO CheckTable2 VALUES (20, 100)

INSERT INTO CheckTable2 VALUES (30, 150)

SELECT \* FROM CheckTable2

SELECT \* FROM CheckTable1

EXCEPT

SELECT \* FROM CheckTable2

SELECT \* FROM CheckTable2

EXCEPT

SELECT \* FROM CheckTable1

UPDATE CheckTable2

SET Data2 = 300

WHERE Data1 = 30

SELECT \* FROM CheckTable2

SELECT \* FROM CheckTable1

EXCEPT

SELECT \* FROM CheckTable2

SELECT \* FROM CheckTable2

EXCEPT

SELECT \* FROM CheckTable1

--If there are any rows appearing after 2 commands above, there are different data in the tables

DROP TABLE CheckTable1

DROP TABLE CheckTable2