

COMP 1630 – Project PartD

Robert Desjardins

A01089842

-- D1

```
CREATE PROCEDURE sp_emp_info
(
    @parameter1 int
)
AS
SELECT EmployeeID,
        LastName,
        FirstName,
        Phone
FROM Employees
WHERE EmployeeID = @parameter1
GO
```

-- D2

```
CREATE PROCEDURE sp_orders_by_dates
(
    @parameter1 date,
    @parameter2 date
)
AS
SELECT o.OrderID      AS OrderID,
       o.CustomerID   AS CustomerID,
       c.CompanyName  AS CompanyName,
       s.CompanyName  AS ShipperName,
       o.ShippedDate  AS ShippedDate
FROM Orders o
INNER JOIN Customers c ON o.CustomerID = c.CustomerID
INNER JOIN Shippers s ON o.ShipperID = s.ShipperID
WHERE o.ShippedDate BETWEEN @parameter1 AND @parameter2
GO
```

-- D3

```
CREATE PROCEDURE sp_products
(
    @parameter1 varchar(30),
    @parameter2 varchar(30),
    @parameter3 int
)
AS
SELECT p.ProductName,
       p.UnitPrice,
       p.UnitsInStock,
       s.Name
FROM Products p
INNER JOIN Suppliers s ON p.SupplierID = s.SupplierID
INNER JOIN OrderDetails od ON p.ProductID = od.ProductID
INNER JOIN Orders o ON od.OrderID = o.OrderID
WHERE p.ProductName LIKE @parameter1
      AND DATEPART(MM, o.OrderDate) = DATEPART(MM, @parameter2 + ' 1 2000')
      AND DATEPART(yy, o.OrderDate) = @parameter3
GO
```

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```
-- D4
CREATE PROCEDURE sp_unit_prices
(
    @parameter1    money,
    @parameter2    money
)
AS
SELECT ProductID,
        ProductName,
        EnglishName,
        UnitPrice
FROM Products
WHERE UnitPrice BETWEEN @parameter1 AND @parameter2
GO

-- D5
CREATE PROCEDURE sp_customer_city
(
    @parameter1    nvarchar(15)
)
AS
SELECT CustomerID,
        CompanyName,
        Address,
        City,
        Phone
FROM Customers
WHERE City = @parameter1
GO

-- D6
CREATE PROCEDURE sp_reorder_qty
(
    @parameter1    int
)
AS
SELECT p.ProductID,
        p.ProductName,
        s.Name,
        p.UnitsInStock,
        p.ReorderLevel
FROM Products p
INNER JOIN Suppliers s ON p.SupplierID = s.SupplierID
WHERE (p.UnitsInStock - p.ReorderLevel) < @parameter1
GO
```

COMP 1630 – Project PartD

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-- D7

```
CREATE PROCEDURE sp_shipping_date
(
    @parameter1    smalldatetime )
AS
SELECT o.OrderID    AS OrderID,
       c.CompanyName AS CustomerName,
       s.CompanyName AS ShipperName,
       o.OrderDate   AS OrderDate,
       o.ShippedDate AS ShippedDate
FROM Orders o
INNER JOIN Customers c ON o.CustomerID = c.CustomerID
INNER JOIN Shippers s ON o.ShipperID = s.ShipperID
WHERE o.ShippedDate = @parameter1
      AND DATEDIFF(day, o.OrderDate, o.ShippedDate) = 10
GO
```

-- D8

```
CREATE PROCEDURE sp_del_inactive_cust
AS
DELETE c
FROM Customers c
WHERE NOT EXISTS
    (SELECT *
     FROM Orders o
     WHERE o.CustomerID = c.CustomerID
    )
GO
```

-- D9

```
CREATE TRIGGER tr_check_qty
ON OrderDetails
FOR UPDATE
AS
IF      (SELECT Quantity FROM inserted) >
       (SELECT UnitsInStock
        FROM Products
        WHERE (SELECT ProductID FROM inserted) = Products.ProductID)
BEGIN
    PRINT 'Quantity cannot exceed units in stock'
    ROLLBACK TRANSACTION
END
```

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-- D10

CREATE TRIGGER tr_insert_shippers

ON Shippers

INSTEAD OF INSERT

AS

IF (SELECT CompanyName FROM inserted) IN

(SELECT CompanyName

FROM Shippers)

BEGIN

PRINT 'Shipper Company Name already exists'

END

ELSE

BEGIN

INSERT INTO Shippers

SELECT *

FROM inserted

END