```
--Part.D.D1
CREATE PROCEDURE sp_emp_info
(@paraempid char(2) = NULL)
AS
SELECT EmployeeID, LastName, FirstName, Phone
FROM Employees
WHERE EmployeeID = @paraempid
GO

--Use below query to test the stored procedure
EXEC sp_emp_info 7


--Part.D.D2
CREATE PROCEDURE sp_orders_by_dates
(@paradate1 datetime,
 @paradate2 datetime)
AS
SELECT        Orders.OrderID,
              Orders.CustomerID,
              Customers.CompanyName,
              Shippers.CompanyName        AS ShipperName,
              Orders.ShippedDate
FROM Orders
JOIN Customers ON Orders.CustomerID = Customers.CustomerID
JOIN Shippers ON Shippers.ShipperID = Orders.ShipperID
WHERE ShippedDate BETWEEN @paradate1 and @paradate2
ORDER BY Orders.OrderID
GO

--Use below query to test the stored procedure
EXEC sp_orders_by_dates '1991-01-01' , '1991-12-31'


--Part.D.D3
CREATE PROCEDURE sp_products
(@productname varchar(40),
 @month varchar(10),
 @year int)
AS
SELECT        Products.ProductName,
              Products.UnitPrice,
              Products.UnitsInStock,
              Suppliers.Name
FROM Products
JOIN Suppliers ON Products.SupplierID = Suppliers.SupplierID
JOIN OrderDetails ON Products.ProductID = OrderDetails.ProductID
JOIN Orders ON Orders.OrderID = OrderDetails.OrderID
WHERE Products.ProductName LIKE '%'+@productname+'%'
AND Datename(month, Orders.OrderDate) = @month
AND Datename(Year, Orders.OrderDate) = @year
GO

--Use below query to test the stored procedure
EXEC sp_products '%tofu%', 'December', 1992
```

```
--Part.D.D4
CREATE PROCEDURE sp_unit_prices
(@unitprice1 money,
@unitprice2 money)
AS
SELECT    ProductID,
          ProductName,
          EnglishName,
          UnitPrice
FROM Products
WHERE UnitPrice BETWEEN @unitprice1 AND @unitprice2
ORDER BY ProductID
GO

--Use below query to test the stored procedure
EXEC sp_unit_prices 5.50, 8.00


--Part.D.D5
CREATE PROCEDURE sp_customer_city
(@city varchar(15))
AS
SELECT        CustomerID,
              CompanyName,
              Address,
              City,
              Phone
FROM Customers
WHERE City = @city
ORDER BY CustomerID
GO

--Use below query to test the stored procedure
EXEC sp_customer_city 'Paris'


--Part.D.D6
CREATE PROCEDURE sp_reorder_qty
(@qty smallint)
AS
SELECT        Products.ProductID,
              Products.ProductName,
              Suppliers.Name,
              Products.UnitsInStock,
              Products.ReorderLevel
FROM Products
JOIN Suppliers ON Products.SupplierID = Suppliers.SupplierID
WHERE  (Products.UnitsInStock - Products.ReorderLevel) < @qty
ORDER BY Products.ProductID
GO

--Use below query to test the stored procedure
EXEC sp_reorder_qty 9
```

```
--Part.D.D7
CREATE PROCEDURE sp_shipping_date
(@shippeddate smalldatetime)
AS
SELECT        Orders.OrderID,
              Customers.CompanyName AS CustomerName,
              Shippers.CompanyName AS ShipperName,
              Orders.OrderDate,
              Orders.ShippedDate
FROM Shippers
JOIN Orders ON Shippers.ShipperID = Orders.ShipperID
JOIN Customers ON Orders.CustomerID = Customers.CustomerID
WHERE DATEADD(DAY,10, Orders.OrderDate) = @shippeddate
ORDER BY Orders.OrderID
GO

--Use below query to test the stored procedure
EXEC sp_shipping_date '1993-11-29'


--Part.D.D8
CREATE PROCEDURE sp_del_inactive_cust
AS
DELETE
FROM Customers
WHERE CustomerID NOT IN
(SELECT Orders.CustomerID
FROM Orders)
GO

--Use below query to test the stored procedure
EXEC sp_del_inactive_cust


--Part.D.D9
CREATE TRIGGER tr_check_qty
ON OrderDetails
FOR UPDATE
AS
IF (SELECT Quantity FROM inserted OrderDetails) > (SELECT Products.UnitsInStock FROM
Products
JOIN inserted OrderDetails ON OrderDetails.ProductID = Products.ProductID)
BEGIN
PRINT 'Quantity ordered exceeds units in stock'
ROLLBACK TRANSACTION
END

--Use below query to test the stored procedure
UPDATE OrderDetails
SET Quantity = 40
WHERE OrderID = 10044
AND ProductID = 77
```

```
--Part.D.D10
CREATE TRIGGER tr_insert_shippers
ON Shippers
INSTEAD OF INSERT
AS
IF EXISTS (SELECT CompanyName FROM inserted)
       BEGIN
       PRINT 'Company name already exists'
       END
ELSE
       BEGIN
       INSERT INTO Shippers
       SELECT *
       FROM inserted
END

--Use below query to test the stored procedure
INSERT Shippers
VALUES (4,'Federal Shipping')
```