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Cursor

1 Cursor

```
DECLARE @supplierID INT, @companyName NVARCHAR(30), @city NVARCHAR(15)
DECLARE suppliers_cursor CURSOR FOR
    SELECT SupplierID, CompanyName, City
    FROM Suppliers
    WHERE Country = 'USA'
OPEN suppliers_cursor
-- Haal de eerste rij op
FETCH NEXT FROM suppliers_cursor INTO @supplierID, @companyName, @city
-- Loop door de resultaten totdat alle gegevens zijn opgehaald
WHILE @@FETCH_STATUS = 0
BEGIN
    -- Print de gegevens van de supplier
    PRINT 'Supplier: ' + STR(@supplierID) + ' ' + @companyName + ' ' + @city
    -- Haal de volgende rij op
    FETCH NEXT FROM suppliers_cursor INTO @supplierID, @companyName, @city
END
CLOSE suppliers_cursor
DEALLOCATE suppliers_cursor
```

Nested Cursor

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```
-- Print de gegevens van de leverancier
    PRINT 'Supplier: ' + STR(@supplierID) + ' ' + @companyName + ' ' + @city
    DECLARE products_cursor CURSOR FOR
        SELECT ProductID, ProductName, UnitPrice
        FROM Products
        WHERE SupplierID = @supplierID
   OPEN products cursor
    -- Haal de eerste rij op van de productencursor
    FETCH NEXT FROM products_cursor INTO @productID, @productName, @unitPrice
    -- Loop door alle producten van deze leverancier
   WHILE @@FETCH_STATUS = 0
    BEGIN
        -- Print de gegevens van het product
        PRINT ' - ' + STR(@productID) + ' ' + @productName + ' ' + STR(@unitPrice)
 ' EUR'
        -- Haal de volgende rij op van de productencursor
        FETCH NEXT FROM products_cursor INTO @productID, @productName, @unitPrice
    END
    CLOSE products_cursor
   DEALLOCATE products_cursor
    -- Haal de volgende rij op van de leverancierscursor
   FETCH NEXT FROM suppliers_cursor INTO @supplierID, @companyName, @city
END
CLOSE suppliers cursor
DEALLOCATE suppliers_cursor
```

Delete Cursor

```
DECLARE @shipperID INT, @companyName NVARCHAR(100)

-- Declareer de cursor voor de shippers
DECLARE shippers_cursor CURSOR FOR
    SELECT ShipperID, CompanyName FROM Shippers

OPEN shippers_cursor
FETCH NEXT FROM shippers_cursor INTO @shipperID, @companyName

-- Loop door alle shippers totdat er geen rijen meer zijn
WHILE @@FETCH_STATUS = 0
BEGIN
    PRINT '-' + STR(@shipperID) + ' ' + @companyName

-- Als de shipperID groter is dan 4, verwijder de shipper
```

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