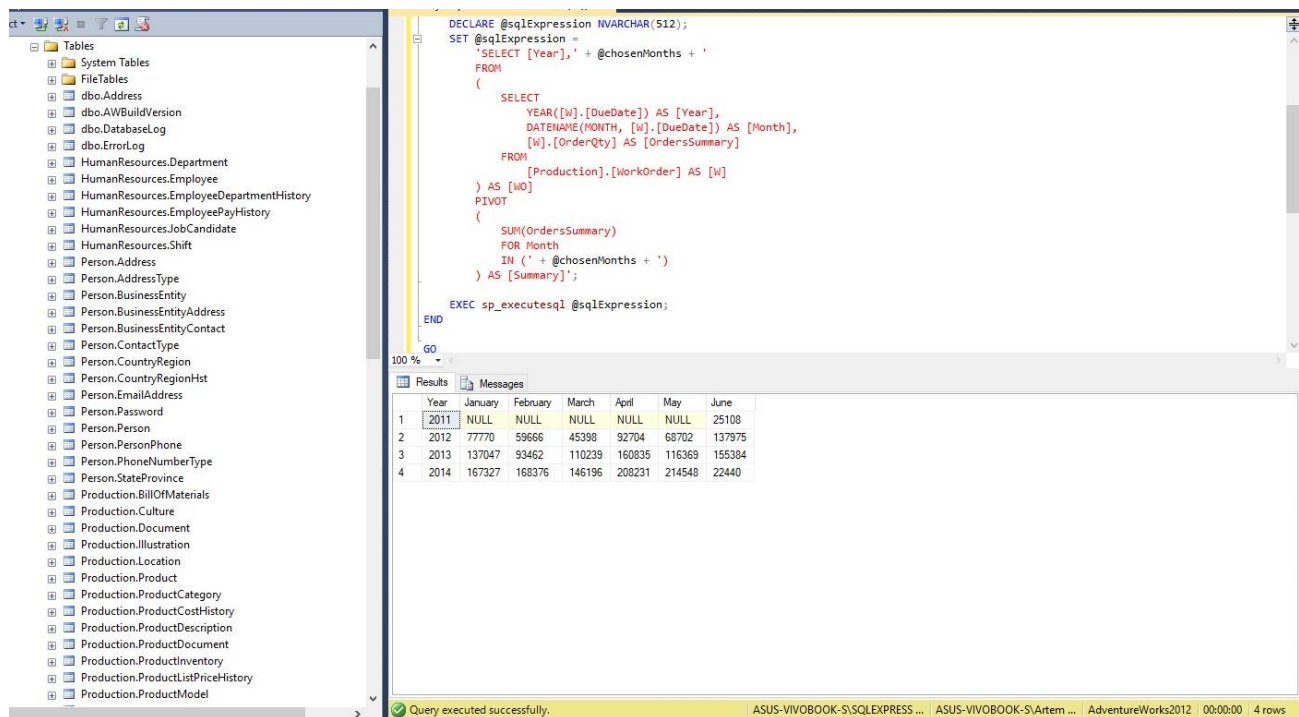


1. Вариант 8

Создайте хранимую процедуру, которая будет возвращать сводную таблицу (оператор PIVOT), отображающую данные о суммарном количестве заказанных продуктов (Production.WorkOrder.OrderQty) за определенный месяц (DueDate). Вывести информацию необходимо для каждого года. Список месяцев передайте в процедуру через входной параметр.

Таким образом, вызов процедуры будет выглядеть следующим образом:



The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'Tables' folder is expanded, showing a list of tables including System Tables, FileTables, and various tables in the 'Person' and 'Production' schemas. The main pane shows the definition of a stored procedure named 'sp_executesql'. The procedure uses a dynamic SQL query to pivot the 'OrderQty' values from the 'Production.WorkOrder' table into columns representing months. The query is as follows:

```
DECLARE @sqlExpression NVARCHAR(512);
SET @sqlExpression =
    'SELECT [Year], ' + @chosenMonths + '
    FROM
        (
            SELECT
                YEAR([W].[DueDate]) AS [Year],
                DATENAME(MONTH, [W].[DueDate]) AS [Month],
                [W].[OrderQty] AS [OrdersSummary]
            FROM
                [Production].[WorkOrder] AS [W]
        ) AS [WO]
    PIVOT
    (
        SUM([OrdersSummary])
        FOR [Month]
        IN (' + @chosenMonths + ')
    ) AS [Summary]';

EXEC sp_executesql @sqlExpression;
GO
```

Below the code, the 'Results' pane shows the output of the procedure. The results are presented in a table with columns for Year, January, February, March, April, May, and June. The data is as follows:

Year	January	February	March	April	May	June
2011	NULL	NULL	NULL	NULL	NULL	25108
2012	77770	59666	45398	92704	68702	137975
2013	137047	93462	110239	160835	116369	155384
2014	167327	168376	146196	208231	214548	22440

The status bar at the bottom indicates that the query was executed successfully.