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Лабораторная №7, Вариант 3.

Select into xml

```
DECLARE @data XML = (
    SELECT
        [Person].[BusinessEntityID] [ID],
        [Person].[FirstName] [FirstName],
        [Person].[LastName] [LastName]
    FROM [Person].[Person]
    FOR XML PATH ('Person'), ROOT ('Persons')
)
SELECT @data

CREATE TABLE #temp
(
    BusinessEntityID INT NOT NULL,
    FirstName NVARCHAR(20),
    LastName NVARCHAR(20)
)

INSERT #temp
SELECT [xml].value('(/ID)[1]', 'INT') [BusinessEntityID],
       [xml].value('(/FirstName)[1]', 'NVARCHAR(20)') [FirstName],
       [xml].value('(/LastName)[1]', 'NVARCHAR(20)') [LastName]
FROM @data.nodes('/Persons/Person') XmlData([xml])

SELECT * FROM #temp;
```

Results Messages

	(No column name)
1	<Persons><Person><ID>285</ID><FirstName>Syed</FirstName><LastName>Abbas</LastName></Person><Person><ID>293</ID><FirstName>Catherine</FirstName><LastName>Abel</LastName></Person><Person>

```
<Persons>
  <Person>
    <ID>285</ID>
    <FirstName>Syed</FirstName>
    <LastName>Abbas</LastName>
  </Person>
  <Person>
    <ID>293</ID>
    <FirstName>Catherine</FirstName>
    <LastName>Abel</LastName>
  </Person>
  <Person>
    <ID>295</ID>
    <FirstName>Kim</FirstName>
    <LastName>Abercrombie</LastName>
  </Person>
  <Person>
    <ID>2170</ID>
    <FirstName>Kim</FirstName>
    <LastName>Abercrombie</LastName>
  </Person>
  <Person>
    <ID>38</ID>
    <FirstName>Kim</FirstName>
    <LastName>Abercrombie</LastName>
  </Person>
  <Person>
```

Temp table insert

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'AdventureWorks' database selected. The right pane shows a SQL query window with the following code:

```
SELECT [BusinessEntityID] [ID],
       [Person].[FirstName] [FirstName],
       [Person].[LastName] [LastName]
FROM [Person].[Person]
FOR XML PATH ('Person'), ROOT ('Persons')

--SELECT @data

CREATE TABLE #temp
(
    BusinessEntityID INT NOT NULL,
    FirstName NVARCHAR(20),
    LastName NVARCHAR(20)
)

INSERT #temp
SELECT [xml].value('(/ID)[1]', 'int') [BusinessEntityID],
       [xml].value('(/FirstName)[1]', 'nvarchar(20)') [FirstName],
       [xml].value('(/LastName)[1]', 'nvarchar(20)') [LastName]
FROM @data.nodes('/Persons/Person') x(xmlData[xml])

SELECT * FROM #temp
```

The bottom pane shows the 'Results' tab with 19,972 rows of data. The columns are BusinessEntityID, FirstName, and LastName. The data is sorted by BusinessEntityID.

BusinessEntityID	FirstName	LastName
1	Syed	Abbas
2	Catherine	Abel
3	Kim	Abercrombie
4	Kim	Abercrombie
5	Kim	Abercrombie
6	Hazen	Adolfsen
7	Sam	Adolfsen
8	Humberto	Acevedo
9	Gustavo	Achong
10	Pilar	Adamian
11	Pilar	Adamian
12	Aaron	Adams
13	Adam	Adams
14	Alex	Adams
15	Alexandra	Adams
16	Alison	Adams
17	Ananda	Adams
18	Anber	Adams
19	Andrea	Adams
20	Arnold	Adams

The status bar at the bottom indicates 'Query executed successfully.' and '19,972 rows'.