

```
/*
```

8) Вывести значения полей [AddressID], [City] из таблицы [Person].[Address] и полей [StateProvinceID] и [CountryRegionCode] из таблицы [Person].[StateProvince] в виде xml, сохраненного в переменную.

```
*/
```

```
DECLARE @xml XML
```

```
SET @xml = (
```

```
    SELECT  PA.AddressID AS '@ID',  
            PA.City AS 'City',  
            PSP.StateProvinceID AS 'Province/@ID',  
            PSP.CountryRegionCode AS 'Province/Region'  
    FROM    [Person].[Address] AS PA  
    JOIN    Person.StateProvince AS PSP  
    ON      PSP.StateProvinceID = PA.StateProvinceID  
    FOR XML  
        PATH ('Address'),  
        ROOT ('Addresses')
```

```
)
```

```
SELECT @xml
```

```
<Addresses>
  <Address ID="532">
    <City>Ottawa</City>
    <Province ID="57">
      <Region>CA</Region>
    </Province>
  </Address>
  <Address ID="497">
    <City>Burnaby</City>
    <Province ID="7">
      <Region>CA</Region>
    </Province>
  </Address>
  <Address ID="29781">
    <City>Dunkerque</City>
    <Province ID="145">
      <Region>FR</Region>
    </Province>
  </Address>
  <Address ID="24231">
    <City>Verrieres Le Buisson</City>
    <Province ID="177">
      <Region>FR</Region>
    </Province>
  </Address>
  <Address ID="19637">
    <City>Verrieres Le Buisson</City>
    <Province ID="177">
      <Region>FR</Region>
    </Province>
  </Address>
  <Address ID="15671">
    <City>Saint-Denis</City>
    <Province ID="179">
      <Region>FR</Region>
    </Province>
  </Address>
  <Address ID="13079">
```

100 % <

```

CREATE PROCEDURE dbo.ReadFromXML
    @xml XML
AS
    SELECT AddressID = xmlNode.value('@ID', 'INT'),
           City = xmlNode.value('City[1]', 'NVARCHAR(30)'),
           StateProvinceID = xmlNode.value('Province[1]/@ID', 'INT'),
           CountryRegionCode = xmlNode.value('Province[1]/Region[1]', 'NVARCHAR(3)')
    FROM    @xml.nodes('/Addresses/Address') AS xml(xmlNode)
GO

EXECUTE dbo.ReadFromXML @xml

```

100 %

Results Messages

	Address...	City	StateProvinceID	CountryRegionCode
1	532	Ottawa	57	CA
2	497	Burnaby	7	CA
3	29781	Dunkerque	145	FR
4	24231	Verrieres Le Buisson	177	FR
5	19637	Verrieres Le Buisson	177	FR
6	15671	Saint-Denis	179	FR
7	13079	Seattle	79	US
8	21354	Les Ulis	177	FR
9	910	Miami	15	US
10	322	Portland	58	US
11	12037	Los Angeles	9	US
12	20437	Courbevoie	178	FR
13	21843	Paris	161	FR
14	12753	Sèvres	178	FR
15	20280	Dong...	145	FR

Query executed successfully.

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