

# < foreach >

## Description

Iterates through an ECMAScript array of items. New in VoiceXML 2.1.

## Syntax

```
<foreach  
array = "ECMAScript_Expression"  
item = "variable"  
>
```

## Attributes

|       |   |
|-------|---|
| array | An ECMAScript expression that evaluates to an array. Required.                      |
| item  | The variable that stores each array item upon each iteration of the loop. Required. |

## Parents

<block>, <catch>, <error>, <filled>, <foreach>, <help>, <if>, <noinput>, <nomatch>, <prompt>

## Children

<assign>, <audio>, <break>, <clear>, <data>, <disconnect>, <enumerate>, <exit>, <foreach>, <goto>, <if>, <log>, <prompt>, <reprompt>, <return>, <script>, <submit>, <throw>, <value>, <var>

## Extensions

None.

## Limitations/Restrictions

None.

## Example Code

```
<?xml version="1.0"?>
<vxml version="2.1"
  xmlns="http://www.w3.org/2001/vxml">
  <form id="play_fruit">
    <block>
      <!-- create an array of fruit names -->
      <var name="aFruit" expr="new Array('apples', 'oranges', 'pears',
'bananas')"/>

      Here's a list of fruit we have available today

      <!-- iterate throught through each item in the array -->
      <foreach item="fruit" array="aFruit">
        <value expr="fruit"/>
      </foreach>
    </block>
  </form>
</vxml>
```

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Last update: **2017/07/28 23:53**

