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AJAX XML: The PHP File

Course information will be listed here.

The page on the server called by the JavaScript is a PHP file called [getCourse.php](#) as below, which loads an XML document, [courseList.xml](#), runs a query against the XML file, and returns the result as HTML. When the course query is sent from the JavaScript to the PHP page, the following happens:

1. PHP creates an XML DOM object.
2. Find the number element that matches the course number sent from the JavaScript.
3. Output the course information (send to the txtHint placeholder)

```

01 <?php
02     $q = $_GET["q"];
03     $xmlDoc = new DOMDocument( );
04     $xmlDoc->load( "courseList.xml" );
05     $x = $xmlDoc->getElementsByTagName( 'number' );
06     for ( $i=0; $i<=$x->length-1; $i++ ) {
07         // Process only element nodes.
08         if ( $x->item($i)->nodeType == 1 ) { // 1: element
09             if ( $x->item($i)->childNodes->item(0)->nodeValue == $q ) {
10                 $y = ( $x->item($i)->parentNode );
11             }
12         }
13     }
14     $course = ( $y->childNodes );
15     for ( $i=0; $i<$course->length; $i++ ) {
16         // Process only element nodes.
17         if ( $course->item($i)->nodeType == 1 ) {
18             echo( $course->item($i)->nodeName . ":" );
19             echo( $course->item($i)->childNodes->item(0)->nodeValue );
20         }
21     }
22 }>

```

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