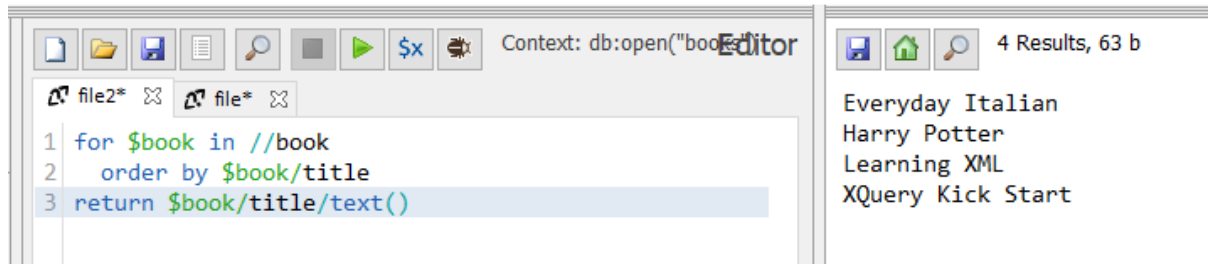


Ejercicios de XQuery, 01.

1.

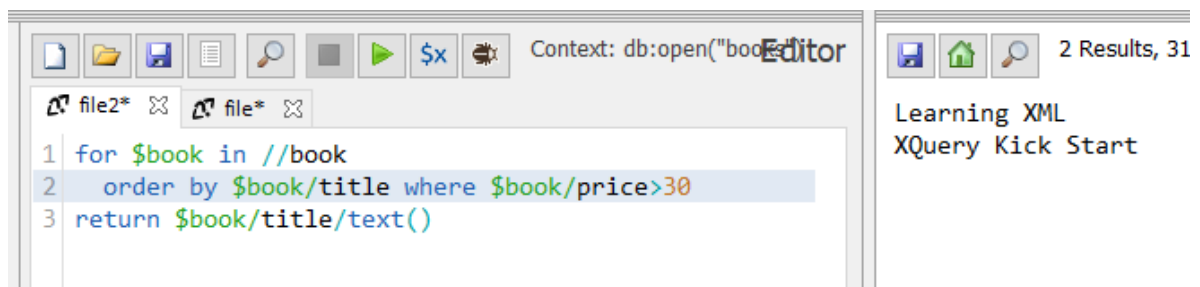


The screenshot shows the XQuery Editor interface. The left pane contains a query with three lines: `1 for $book in //book`, `2 order by $book/title`, and `3 return $book/title/text()`. The right pane displays the results, showing four book titles: `Everyday Italian`, `Harry Potter`, `Learning XML`, and `XQuery Kick Start`. The status bar indicates "4 Results, 63 b".

```
1 for $book in //book
2   order by $book/title
3   return $book/title/text()
```

Everyday Italian
Harry Potter
Learning XML
XQuery Kick Start

2.

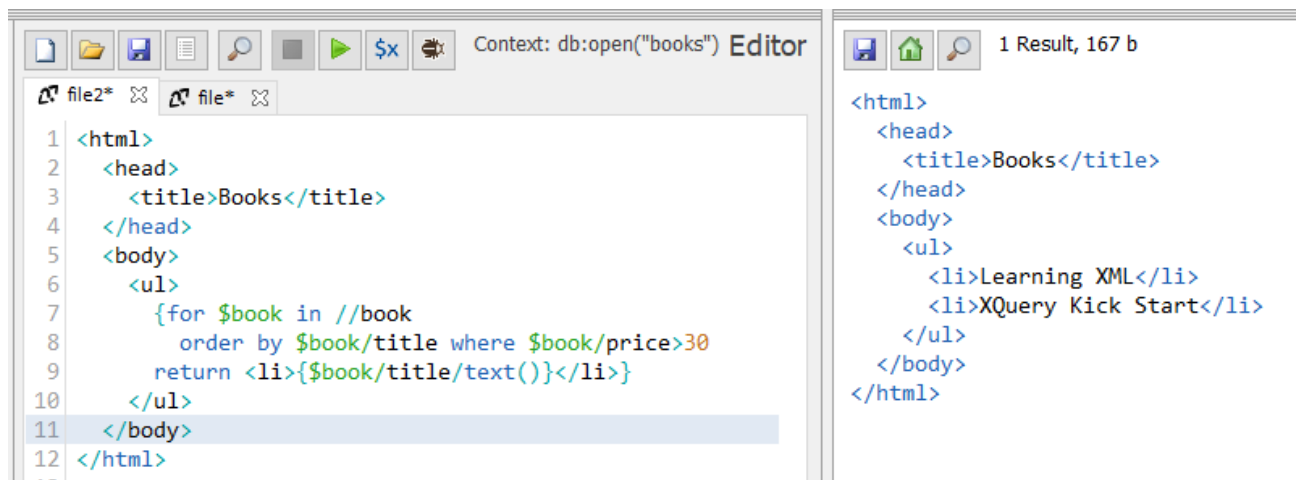


The screenshot shows the XQuery Editor interface. The left pane contains a query with three lines: `1 for $book in //book`, `2 order by $book/title where $book/price>30`, and `3 return $book/title/text()`. The right pane displays the results, showing two book titles: `Learning XML` and `XQuery Kick Start`. The status bar indicates "2 Results, 31 b".

```
1 for $book in //book
2   order by $book/title where $book/price>30
3   return $book/title/text()
```

Learning XML
XQuery Kick Start

3.



The screenshot shows the XQuery Editor interface. The left pane contains a query with twelve lines: `1 <html>`, `2 <head>`, `3 <title>Books</title>`, `4 </head>`, `5 <body>`, `6 `, `7 {for $book in //book`, `8 order by $book/title where $book/price>30`, `9 return {$book/title/text()}}`, `10 `, `11 </body>`, and `12 </html>`. The right pane displays the resulting HTML output, showing a list of two books: `Learning XML` and `XQuery Kick Start`. The status bar indicates "1 Result, 167 b".

```
1 <html>
2   <head>
3     <title>Books</title>
4   </head>
5   <body>
6     <ul>
7       {for $book in //book
8         order by $book/title where $book/price>30
9         return <li>{$book/title/text()}</li>}}
10    </ul>
11  </body>
12 </html>
```

<html>
<head>
 <title>Books</title>
</head>
<body>

 Learning XML
 XQuery Kick Start

</body>
</html>

4.

The image shows a software interface for editing and executing XQuery. The left pane is the 'Editor' with a toolbar and a file list. The main area contains an XQuery script. The right pane shows the result of the query, which is an XML document. The context is 'db:open("books")'.

Editor

Context: db:open("books")

file2* file*

```
1 <books>
2   {for $book in //book
3     return if ($book/@category='children')
4     then <child>{$book/title}</child>
5     else <adult>{$book/title}</adult>
6   }
7 </books>
```

Result

1 Result, 290 b

```
<books>
  <adult>
    <title lang="en">Everyday Italian</title>
  </adult>
  <child>
    <title lang="en">Harry Potter</title>
  </child>
  <adult>
    <title lang="en">XQuery Kick Start</title>
  </adult>
  <adult>
    <title lang="en">Learning XML</title>
  </adult>
</books>
```

5.

```
1 <html>
2   <head>
3     <title>Bookstore</title>
4     <link rel="stylesheet" href="estilo.css" type="text/css"/>
5   </head>
6   <body>
7     <h1>Bookstore</h1>
8     <table>
9       <tr>
10        <th>Título</th>
11        <th>Categoría</th>
12      </tr>
13      {
14        for $book in //book return
15        <tr>
16          <td>{$book/title/text()}</td>
17          <td>{data($book/@category)}</td>
18        </tr>
19      }
20    </table>
21    <ul>{
22      for $book in //book return
23      <li class="{
24        data($book/@category)
25      }">{
26        $book/title/text()
27      }</li>
28    }</ul>
29  </body>
30 </html>
```

OK 7:18

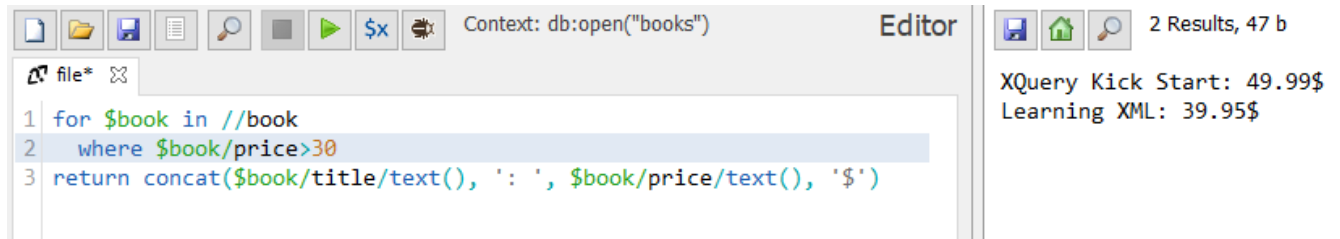
Total Time: 2.68 ms

Info

ng:

```
<html>
  <head>
    <title>Bookstore</title>
    <link rel="stylesheet" href="estilo.css" type="text/css"/>
  </head>
  <body>
    <h1>Bookstore</h1>
    <table>
      <tr>
        <th>Título</th>
        <th>Categoría</th>
      </tr>
      <tr>
        <td>Everyday Italian</td>
        <td>cooking</td>
      </tr>
      <tr>
        <td>Harry Potter</td>
        <td>children</td>
      </tr>
      <tr>
        <td>XQuery Kick Start</td>
        <td>web</td>
      </tr>
      <tr>
        <td>Learning XML</td>
        <td>web</td>
      </tr>
    </table>
    <ul>
      <li class="cooking">Everyday Italian</li>
      <li class="children">Harry Potter</li>
      <li class="web">XQuery Kick Start</li>
      <li class="web">Learning XML</li>
    </ul>
  </body>
</html>
```

6.



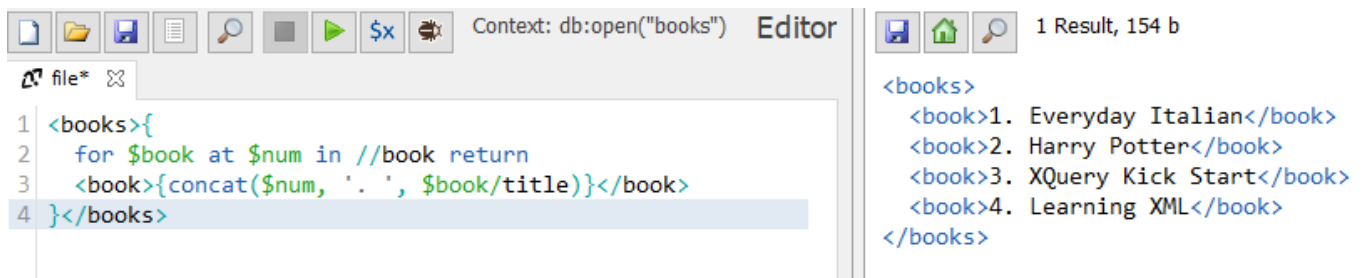
The screenshot shows an XQuery editor interface. The top toolbar includes icons for file operations, search, and execution. The context is set to `db:open("books")`. The editor displays the following XQuery:

```
1 for $book in //book
2   where $book/price > 30
3   return concat($book/title/text(), ': ', $book/price/text(), '$')
```

The results pane on the right shows 2 results with a total size of 47 bytes:

- XQuery Kick Start: 49.99\$
- Learning XML: 39.95\$

7.



The screenshot shows the same XQuery editor interface. The context remains `db:open("books")`. The editor displays the following XQuery:

```
1 <books>{
2   for $book at $num in //book return
3     <book>{concat($num, '. ', $book/title)}</book>
4 }</books>
```

The results pane on the right shows 1 result with a total size of 154 bytes, displayed as XML:

```
<books>
  <book>1. Everyday Italian</book>
  <book>2. Harry Potter</book>
  <book>3. XQuery Kick Start</book>
  <book>4. Learning XML</book>
</books>
```

8.

```
file* 1 <html>
2   <head>
3     <title>Listado de prácticas</title>
4     <meta charset="UTF-8"/>
5   </head>
6   <body>
7     <h1>Listado de prácticas</h1>
8     {
9       for $tema in (1 to 7), $ejercicio in (1 to 3) return
10      <div>
11        <a href="ud{$tema}/0{$ejercicio}.html">{
12          concat("Tema", $tema, " Ejercicio",$ejercicio)
13        }</a>
14      </div>
15    }
16   </body>
17 </html>
18
ok
```

9.

```
Context: db:open("books")
Editor 1 Result, 17 b
file* file2*
1 for $book in //book
2   let $autores:=$book/author
3   where count($autores)>2
4 return $book/title/text()

XQuery Kick Start
```

10.

The screenshot shows an XQuery editor with a query on the left and its result on the right. The query is as follows:

```

1 <libros>{
2   for $book in //book
3     let $autores:=$book/author
4   return
5     <libro autores="{count($autores)}">
6       {$book/title/text()}
7   </libro>
8 }</libros>

```

The result on the right is:

```

<libros>
  <libro autores="1">Everyday Italian</libro>
  <libro autores="1">Harry Potter</libro>
  <libro autores="5">XQuery Kick Start</libro>
  <libro autores="1">Learning XML</libro>
</libros>

```

11.

The screenshot shows an XQuery editor with a query on the left and its result on the right. The query is as follows:

```

1 <libros>{
2   for $book in //book
3   return
4     <libro>
5       {$book/title}
6       {$book/author}
7     </libro>
8 }</libros>

```

The result on the right is:

```

<libros>
  <libro>
    <title lang="en">Everyday Italian</title>
    <author>Giada De Laurentiis</author>
  </libro>
  <libro>
    <title lang="en">Harry Potter</title>
    <author>J K. Rowling</author>
  </libro>
  <libro>
    <title lang="en">XQuery Kick Start</title>
    <author>James McGovern</author>
    <author>Per Bothner</author>
    <author>Kurt Cagle</author>
    <author>James Linn</author>
    <author>Vaidyanathan Nagarajan</author>
  </libro>
  <libro>
    <title lang="en">Learning XML</title>
    <author>Erik T. Ray</author>
  </libro>
</libros>

```

At the bottom, there is a console window with the following text:

```

Total Time: 2.35 ms

```

Below the console window, there is a section titled "Info" with the following text:

```

Warning:
  The context value to document-node() item: . -> db:open-pre
  ks", 0)
  The util:root(nodes) to document-node() item: util:root/db:

```