Ejercicios de XQuery, 01.

1.

```
Context: db:open("books")   Editor        4 Results, 63 b

file2*   file*

1  for $book in //book                      Everyday Italian
2    order by $book/title                    Harry Potter
3  return $book/title/text()                 Learning XML
                                             XQuery Kick Start
```

2.
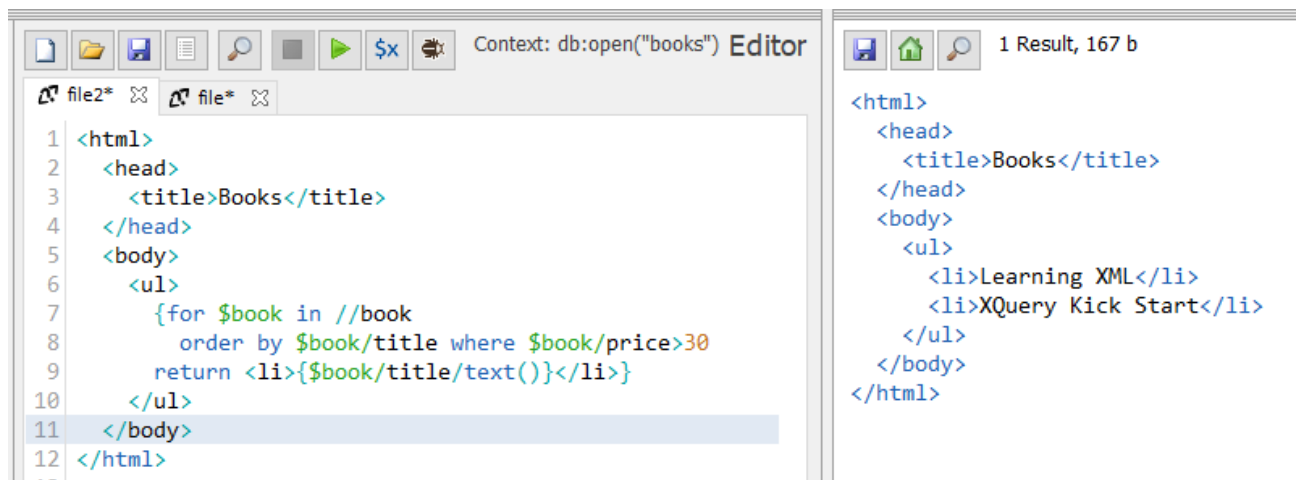
```
Context: db:open("books")   Editor        2 Results, 31

file2*   file*

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

3.

```
Context: db:open("books")  Editor         1 Result, 167 b

file2*   file*

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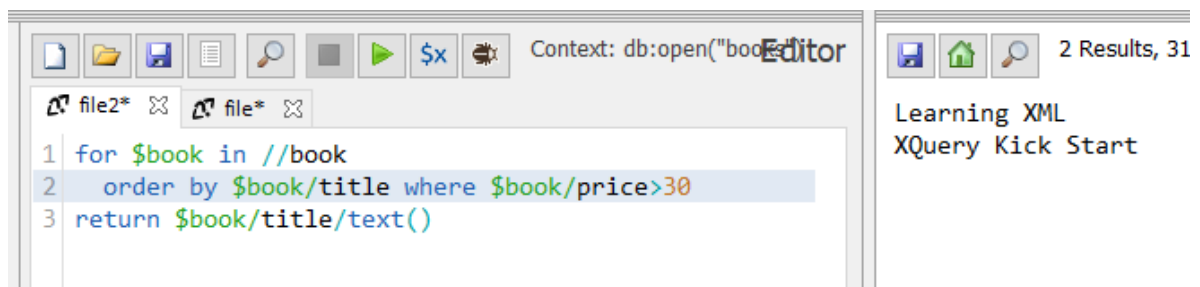
4.

```
<books>
  {for $book in //book
    return if ($book/@category='children')
    then <child>{$book/title}</child>
    else <adult>{$book/title}</adult>
  }
</books>
```

Context: db:open("books Editor

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>
```
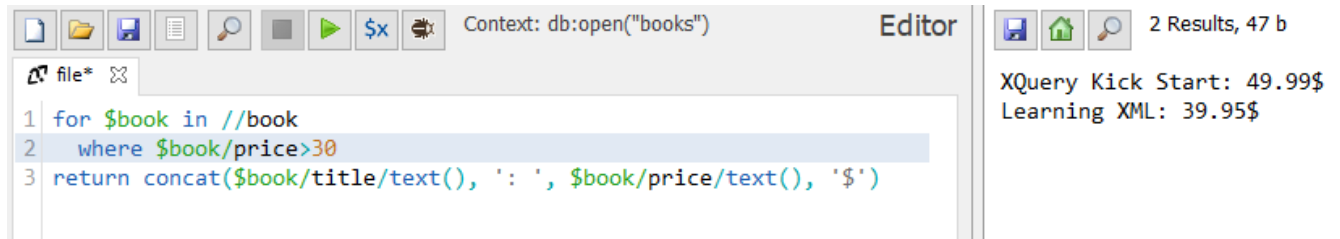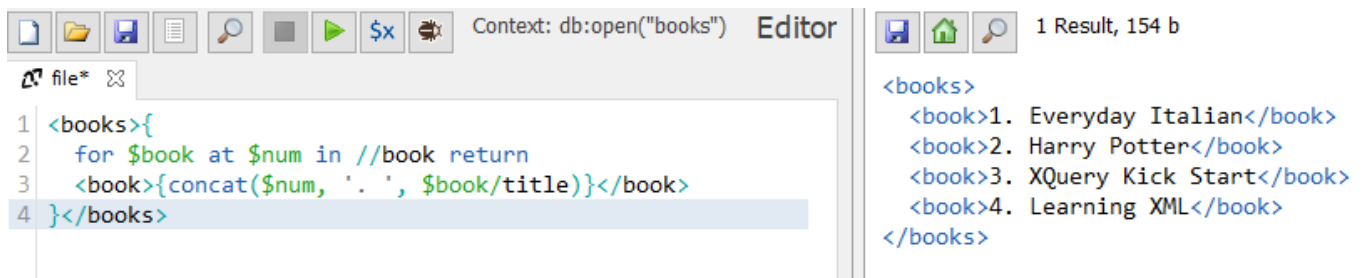
6.

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

Context: db:open("books") — Editor

2 Results, 47 b

```
XQuery Kick Start: 49.99$
Learning XML: 39.95$
```

7.

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

Context: db:open("books") — Editor

1 Result, 154 b

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

8.

```
 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.

```
1 for $book in //book
2   let $autores:=$book/author
3   where count($autores)>2
4 return $book/title/text()
```

XQuery Kick Start

10.

```
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>
```

Context: db:open("books")   Editor

1 Result, 200 b

```
<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.

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

OK   8 : 11

Total Time: 2.35 ms   Info

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

1 Result, 505 b

```
<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>
```