# Exercises

## Note

You can test this expression by using the Chrome Developer Tools or other similar tools that allow you to evaluate XPath expressions on web pages. Simply open the HTML page in your browser, open the console, and enter the expression

## Ex1

Assume you have an HTML page with the following structure:

<html>

<head>

<title>My Web Page</title>

</head>

<body>

<div id="content">

<h1>My Blog</h1>

<ul>

<li class="post"><a href="post1.html">Post 1</a></li>

<li class="post"><a href="post2.html">Post 2</a></li>

<li class="post"><a href="post3.html">Post 3</a></li>

</ul>

</div>

</body>

</html>

Write an XPath expression that selects all the links to the blog post pages (i.e., the a elements with a class of post).

EX2

Assume you have an HTML page with the following structure:

<html>

<head>

<title>My Web Page</title>

</head>

<body>

<div id="content">

<h1>My Blog</h1>

<div class="posts">

<div class="post">

<h2><a href="post1.html">Post 1</a></h2>

<div class="meta">

<span class="author">John Doe</span>

<span class="date">2022-05-01</span>

</div>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>

</div>

<div class="post">

<h2><a href="post2.html">Post 2</a></h2>

<div class="meta">

<span class="author">Jane Doe</span>

<span class="date">2022-05-02</span>

</div>

<p>Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>

</div>

<div class="post">

<h2><a href="post3.html">Post 3</a></h2>

<div class="meta">

<span class="author">John Smith</span>

<span class="date">2022-05-03</span>

</div>

<p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p>

</div>

</div>

</div>

</body>

</html>

Write an XPath expression that selects the titles of all the blog posts (i.e., the text content of the h2 elements inside the div elements with a class of post).

## EX3

Assume you have an HTML page with the following structure:

<html>

<head>

<title>My Web Page</title>

</head>

<body>

<div id="content">

<h1>My Blog</h1>

<div class="posts">

<div class="post">

<h2><a href="post1.html">Post 1</a></h2>

<div class="meta">

<span class="author">John Doe</span>

<span class="date">2022-05-01</span>

</div>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>

</div>

<div class="post">

<h2><a href="post2.html">Post 2</a></h2>

<div class="meta">

<span class="author">Jane Doe</span>

<span class="date">2022-05-02</span>

</div>

<p>Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>

</div>

<div class="post">

<h2><a href="post3.html">Post 3</a></h2>

<div class="meta">

<span class="author">John Smith</span>

<span class="date">2022-05-03</span>

</div>

<p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p>

</div>

</div>

<div class="sidebar">

<h3>Categories</h3>

<ul>

<li><a href="category1.html">Category 1</a></li>

<li><a href="category2.html">Category 2</a></li>

<li><a href="category3.html">Category 3</a></li>

</ul>

<h3>Archives</h3>

<ul>

<li><a href="2022-01.html">January 2022</a></li>

<li><a href="2022-02.html">February 2022</a></li>

<li><a href="2022-03.html">March 2022</a></li>

<li><a href="2022-04.html">April 2022</a></li>

</ul>

</div>

</div>

</body>

</html>

Write an XPath expression that selects the authors of all the blog posts (i.e., the text content of the span elements with a class of author that are children of the div elements with a class of post).