

**a. All titles of the document**

XPath Query: //title

[Line 4] title: Everyday Italian  
[Line 10] title: Harry Potter  
[Line 16] title: XQuery Kick Start  
[Line 24] title: XML The foundation of XQuery  
[Line 28] title: Understanding the XPath specification  
[Line 36] title: Learning XML  
[Line 39] title: Introduction  
[Line 43] title: Markup and Core Concepts

**b. All titles of a book of the document**

XPath Query: /bookShop/book/title

[Line 4] title: Everyday Italian  
[Line 10] title: Harry Potter  
[Line 16] title: XQuery Kick Start  
[Line 36] title: Learning XML

**c. All elements of a chapter**

XPath Query: /bookShop/book/chapter/\*

[Line 39] title: Introduction  
[Line 40] npages: 24  
[Line 43] title: Markup and Core Concepts  
[Line 44] npages: 34

**d. All elements of a chapter in a section**

XPath Query: /bookShop/book/section/chapter/\*

[Line 24] title: XML The foundation of XQuery  
[Line 25] npages: 14  
[Line 28] title: Understanding the XPath specification  
[Line 29] npages: 15

**e. All elements**

XPath Query: /\*

[Line 2] bookShop:

Everyday Italian  
Giada De Laurentiis  
2005  
30.00

Harry Potter  
J K. Rowling

2005  
29.99

XQuery Kick Start  
James McGovern  
Per Bothner  
Kurt Cagle  
James Linn  
Vaidyanathan Nagarajan

XML The foundation of XQuery  
14

Understanding the XPath specification  
15

2003  
49.99

Learning XML  
Erik T. Ray

Introduction  
24

Markup and Core Concepts  
34

2003  
39.95

**f. Titles that have a chapter 1**

XPath Query: /bookShop/book[chapter/@num='1']/title

[Line 36] title: Learning XML

**g. The third book with all its information**

XPath Query: /bookShop/book[3]

[Line 15] book:

XQuery Kick Start  
James McGovern  
Per Bothner  
Kurt Cagle

James Linn  
Vaidyanathan Nagarajan

XML The foundation of XQuery  
14

Understanding the XPath specification  
15

2003  
49.99

#### **h. All elements with attributes**

XPath Query: `//*[@*]`

[Line 3] book:

Everyday Italian  
Giada De Laurentiis  
2005  
30.00

[Line 4] title: Everyday Italian

[Line 9] book:

Harry Potter  
J K. Rowling  
2005  
29.99

[Line 10] title: Harry Potter

[Line 15] book:

XQuery Kick Start  
James McGovern  
Per Bothner  
Kurt Cagle  
James Linn  
Vaidyanathan Nagarajan

XML The foundation of XQuery  
14

Understanding the XPath specification  
15

2003

49.99

[Line 16] title: XQuery Kick Start

[Line 22] section:

XML The foundation of XQuery  
14

Understanding the XPath specification  
15

[Line 23] chapter:

XML The foundation of XQuery  
14

[Line 27] chapter:

Understanding the XPath specification  
15

[Line 35] book:

Learning XML  
Erik T. Ray

Introduction  
24

Markup and Core Concepts  
34

2003  
39.95

[Line 36] title: Learning XML

[Line 38] chapter:

Introduction  
24

[Line 42] chapter:

Markup and Core Concepts  
34

### **i. All elements with a category attribute**

XPath Query: `//*[@category]`

[Line 3] book:

Everyday Italian  
Giada De Laurentiis

2005  
30.00

[Line 9] book:

Harry Potter  
J K. Rowling  
2005  
29.99

[Line 15] book:

XQuery Kick Start  
James McGovern  
Per Bothner  
Kurt Cagle  
James Linn  
Vaidyanathan Nagarajan

XML The foundation of XQuery  
14

Understanding the XPath specification  
15

2003  
49.99

[Line 35] book:

Learning XML  
Erik T. Ray

Introduction  
24

Markup and Core Concepts  
34

2003  
39.95

**j. Books with no cover attribute**

XPath Query: //book[not(@cover)]

[Line 3] book:

Everyday Italian  
Giada De Laurentiis  
2005

30.00

[Line 9] book:

Harry Potter  
J K. Rowling  
2005  
29.99

**k. Elements with two chapters**

XPath Query: //book[count(chapter)=2]

[Line 35] book:

Learning XML  
Erik T. Ray

Introduction  
24

Markup and Core Concepts  
34

2003  
39.95

**l. Book's about markup languages**

XPath Query: /bookShop/book[title[contains(text(), 'Markup')]]

**m. Titles whose author's name value has more than 15 characters**

XPath Query: //book[string-length(author) > 15]/title

[Line 4] title: Everyday Italian

**n. Title of paperback books with more than 30 pages in any chapter**

XPath Query: //book[@cover='paperback' and chapter/npages > 30]/title

[Line 36] title: Learning XML