

PRÁCTICA 02

Prueba en Editix y sobre nuestro fichero alumnos.xml las siguientes rutas:

➤ `/instituto/curso[2]/alumno[2]/apellidos`

The screenshot displays the Editix XML editor interface. The left pane, titled 'XPath', contains the following information:

- XPath expression:** `/instituto/curso[2]/alumno[2]/apellidos`
- Instructions:** Use **Ctrl-enter** or **Ctrl-shift-enter** for running from root or current.
- Buttons:** 'Copy', 'From root', and 'From current'.
- Version:** Radio buttons for '1.0' (selected) and '2.0'.
- Tabs:** 'Result', 'Variable', 'Namespace', and 'History'.
- Result Table:**

Node	Value
apellidos	Jiménez Pérez

The right pane, titled 'Starting', shows the XML document 'alumnos.xml' with the following tree structure:

- instituto (3) 38010700
 - curso (3) 1
 - alumno (4) A18X111
 - alumno (4) A27M242
 - alumno (4) A90R112
 - nombre (1)
 - apellidos (1)
 - repetidor (1)
 - notas (8)
 - curso (3) 2
 - alumno (4) A92T861
 - alumno (4) A92R003
 - nombre (1)
 - apellidos (1)
 - repetidor (1)
 - notas (8)
 - alumno (4) A87R122
 - curso (3) 3

➤instituto/curso[@nombre ="2º ASIR"]/alumno[2]/apellidos

Se obtiene el mismo resultado que en el apartado anterior ya que la forma de buscar es diferente pero el nodo obtenido es el mismo.

En el primer caso se selecciona el nodo “curso[2]” y en este caso se selecciona el nodo “curso” el cual tiene un atributo llamado “2º ASIR”.

The screenshot shows an XML editor with two main panels. The left panel, titled 'XPath', contains an 'XPath expression' field with the text `/instituto/curso[@nombre ="2º ASIR"]/alumno[2]/apellidos`. Below this field are buttons for 'From root' and 'From current', and radio buttons for '1.0' (selected) and '2.0'. At the bottom of the left panel is a table with two columns: 'Node' and 'Value'. The table contains one row with 'apellidos' in the 'Node' column and 'Jiménez Pérez' in the 'Value' column. The right panel, titled 'Starting x alumnos.xml', shows a tree view of the XML document. The tree structure is as follows: 'instituto (3) 38010700' is the root. It has three children: 'curso (3) 1', 'curso (3) 2', and 'curso (3) 3'. Each 'curso' node has four children: 'alumno (4) A18X111', 'alumno (4) A27M242', 'alumno (4) A90R112', and 'alumno (4) A87R122'. Each 'alumno' node has three children: 'nombre (1)', 'apellidos (1)', and 'repetidor (1)'. Each 'repetidor' node has one child: 'notas (8)'. The 'curso (3) 1' node is selected, and its 'alumno (4) A90R112' child is also selected.

Node	Value
apellidos	Jiménez Pérez

➤instituto/curso[@nombre ="2º ASIR"]/alumno[2]/notas/asignatura

The screenshot shows the XMLSpy interface with the following components:

- Top Panel:** Displays the file 'alumnos.xml'.
- Left Panel (XPath):**
 - Expression: `/instituto/curso[@nombre ="2º ASIR"]/alumno[2]/notas/asignatura`
 - Buttons: 'From root', 'From current', 'Copy'.
 - Version: 1.0 (selected), 2.0.
 - Tab: 'Result'.
 - Table:
- Right Panel (Tree View):** Shows the XML tree structure with 'curso (3) 1' selected.
- Bottom Panel:** A table showing the result of the XPath query.

Node	Value
asignatura	Seguridad Informática
asignatura	Planificación de redes
asignatura	Servicios web
asignatura	Prácticas de empresa

prefix	
name	asignatura

➤instituto/curso[@nombre ="2º ASIR"]/alumno[2]/nota

En este caso el nodo “nota” no existe, existe su plural “notas”:

/instituto/curso[@nombre ="2º ASIR"]/alumno[2]/notas

The screenshot shows an XML editor interface with two main panels. The left panel, titled 'XPath', contains an 'XPath expression' field with the text `/instituto/curso[@nombre ="2º ASIR"]/alumno[2]/notas`. Below the field are buttons for 'From root' and 'From current', and radio buttons for '1.0' and '2.0'. The right panel, titled 'Starting x alumnos.xml', displays a tree view of the XML document. The tree structure is as follows:

- instituto (3) 38010700
 - curso (3) 1
 - alumno (4) A18X111
 - alumno (4) A27M242
 - alumno (4) A90R112
 - nombre (1)
 - apellidos (1)
 - repetidor (1)
 - notas (8)
 - curso (3) 2
 - alumno (4) A92T861
 - alumno (4) A92R003
 - nombre (1)
 - apellidos (1)
 - repetidor (1)
 - notas (8)
 - asignatura (1)
 - nota (1)
 - asignatura (1)
 - nota (1)
 - asignatura (1)
 - nota (1)

At the bottom of the right panel, there is a table with the following content:

prefix	
name	notas

