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# 4. XPath

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# XPath

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- //person
  - descendant-or-self:person
  - /descendant-or-self:person
  - **child::people/child::person**
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# Shortcuts

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- attribute:: -> @
- descendant-or-self -> //

find last element in third level of XML tree of the document (nodetest \*)

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# XPath predicates

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- **AXIS::NODETEST[predicate]**
    - position()=1
    - position=last()
    - you can use **or**, **and**
  - find full\_address of Steven Segal
  - find phones of Jirka Novák and Segal
  - Find name of the Person living on street 'Uvoz 22'
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# Node sets and Union

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- **count(*nodeset*)** counts number of nodes
  - *nodeset* | *nodeset* creates union of nodesets
  - count number of phone elements and person elements together
  - number of phones that contain number sequence "77" use **contains(string, string)**
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