```
for $0 in fn:doc('data.xml')//owner
where $0/address/country = "Česká republika"
order by $0/name
return $0

for $0 in //owner ...

for $0 in fn:doc('data.xml')//owner[address/country = "Česká republika"]
order by $0/name
return $0

for $0 in fn:doc('data.xml')//owner
let $c := $0/address/country
where $c = "Česká republika"
order by $0/name
return $0
```

```
for $e in fn:doc('data.xml')//agency/employee
let $a := $e/parent::agency
return
  element employee {
    element name {
       text { fn:concat($e/firstName, " ", $e/lastName) }
    text { " works at " },
    element agency {
       attribute id { $a/@idAgency },
       text { $a/name }
    }
  }
... return
  element employee {
    element name {
       fn:concat($e/firstName, " ", $e/lastName)
    },
     " works at ",
    element agency {
       attribute id { fn:data($a/@idAgency) },
       $a/name/text()
    }
  }
... return ... element { "employee" } { ... } ...
for $a in fn:doc('data.xml')//agency
for $e in $a/employee
return ...
for $a in fn:doc('data.xml')//agency, $e in $a/employee
return ...
for $a in fn:doc('data.xml')//agency
  for $e in $a/employee
  return ...
```

```
for $f in fn:doc('data.xml')//flat
let $pName := //property[@idProperty = $f/@property]/name
order by $pName descending, $f/name
return
    (
        element property { data($f/@property) },
        $f/name,
        <comfort>{ data($f/@comfort) }</comfort>
    )

... order by $pName descending, $f/name ascending ...

... order by $pName/text() ...

... order by //property[@idProperty = $f/propertyRef]/name descending, $f/name ...
```

```
let $flats := fn:doc('data.xml')//flat
let $avg := fn:avg($flats/rate)
for $f in $flats
let $c := $f/@comfort
where ($f/rate < $avg) and ($c = "B" or $c = "C")
return fn:data($f/@idFlat)

let $flats := ..., $avg := ... ...
... where ($f/rate < $avg) and ($c = ("B", "C")) ...</pre>
```

```
IdName<fh>Features
  {
    for $p in fn:doc('data.xml')//property
    return
        { fn:data($p/@idProperty) }
        { $p/name/text() }
        { $p/features/feature[1]/text() }
          {
             for $t in $p/features/feature[position() != 1]
             return fn:concat(", ", $t/text())
          }
        }
... ... return text { fn:concat(", ", $t/text()) } ...
... ... return (", ", $t/text()) ...
...  {
    let $last := $p/features/feature[last()]
    for $t in $p/features/feature
    return
      if ($last is $t)
      then $t/text()
      else ($t/text(), ", ")
  }  ...
...  {
    for $t in $p/features/feature
      if (not($t/following-sibling::feature))
      then $t/text()
      else ($t/text(), ", ")
  }  ...
...  {
    let $count := count($p/features/feature)
    for $t at $pos in $p/features/feature
    return
      if ($pos = $count)
      then $t/text()
      else ($t/text(), ", ")
  }  ...
... { fn:string-join($p/features/feature, ", ") } ...
```

```
for $p in fn:doc('data.xml')//property
let $flats := fn:doc('data.xml')//flats/flat[@property = $p/@idProperty]
return
  if (every $f in $flats satisfies $f/rate > 10000)
  then <luxuryProperty name="{ $p/name/text() }"/>
  else <commonProperty name="{ $p/name/text() }"/>
... return
  element {
    if (every f in f is satisfies f/rate > 10000)
     then "luxuryProperty"
    else "commonProperty"
  } {
    attribute name { $p/name/text() }
  }
... let $n :=
    if (every $f in $flats satisfies $f/rate > 10000)
     then "luxuryProperty"
    else "commonProperty"
return
  element { $n } {
    attribute name { $p/name/text() }
... ... if (count($flats) = count($flats[rate > 10000])) ... ...
... ... if (not($flats[not(rate > 10000)])) ... ...
```

```
let $properties := fn:doc('data.xml')//property
let $values :=
  for $p in $properties
  return fn:count(fn:doc('data.xml')//flat[@property = $p/@idProperty])
let $max := fn:max($values)
for $p in $properties
let $count := fn:count(fn:doc('data.xml')//flat[@property = $p/@idProperty])
where $count = $max
order by $p/name ascending
  cproperty id="{ $p/@idProperty }" flats="{ $count }"/>
let $properties := fn:doc('data.xml')//property
let $values :=
   \begin{tabular}{ll} \textbf{for} & properties \\ \end{tabular} 
  let $count := fn:count(fn:doc('data.xml')//flat[@property = $p/@idProperty])
  return
     <item>
       <id>{ id>{ fn:data($p/@idProperty) }</id>
       <name>{ $p/name/text() }</name>
       <count>{ $count }</count>
     </item>
let $max := fn:max($values/count)
for $i in $values
where $i/count = $max
order by $i/name ascending
return
  cproperty id="{ $i/id }" flats="{ $i/count }"/>
```

```
<flats>
  {
    let $list1 :=
       for $f in fn:doc('data.xml')//flat
       return
         element flat {
            attribute id { $f/@idFlat },
            attribute name { $f/name },
            attribute property { $f/@property },
            attribute comfort { $f/@comfort }
         }
    let $list2 :=
       for $f in fn:doc('data-flats.xml')//flat
       let $p := fn:doc('data.xml')//property[name = $f/propertyName]
       return
         element flat {
            attribute id { $f/flatId },
            attribute name { $f/flatName },
            attribute property { $p/@idProperty },
            attribute comfort { $f/comfortLevel }
         }
    for $f in $list1 union $list2
    order by $f/@id ascending
    return $f
  }
</flats>
... ... for $f in $list1 | $list2 ... ...
```