

Schematron Tutorial

Declarative Amsterdam 2022

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1 Introduction and instructions

bla bla bla

1.1 Exercise 01-01 - Pre-flight check

Subfolder: exercise-01-01

We're going to validate the input document `input.xml`:

```
<inventory-list deptime="IMP">
  <article code="IMP0001">
    <name>Bolts</name>
    <description>Nuts to secure things with</description>
  </article>
  <article code="IMP0002">
    <name>Nuts</name>
    <description>Bolts to turn on the nuts</description>
  </article>
  <article code="EXP0234">
    <name>Bananas</name>
    <description>Delicious ripe bananas</description>
  </article>
</inventory-list>
```

The rule is that all codes must start with the value of `/*/@deptime`. The third (and last) article in the list breaks this rule.

A Schematron schema for checking this is in `schema.sch`:

```
<schema xmlns="http://purl.oclc.org/dsdl/schematron" queryBinding="xslt3">
  <pattern>
    <rule context="article">
      <assert test="starts-with(@code, /inventory-list/
@deptime)">The article code must start with the right prefix</assert>
    </rule>
  </pattern>
</schema>
```

Please validate `input.xml` with `schema.sch` and check the validation message.