

## Exercise 02-01 - Using patterns, rules, asserts and reports

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### Explanation

One of the possible solutions for this exercise is in `solution/solution.sch`:

```
<schema xmlns="http://purl.oclc.org/dsdl/schematron" queryBinding="xslt3">
  <pattern>
    <rule context="ID">
      <assert test="string-length(.) eq 9">An ID must be 9 characters long!</assert>
      <report test="starts-with(., 'X')">Special identifier found!</report>
    </rule>
  </pattern>
</schema>
```

- The Schematron schema contains a single pattern with a single rule.
- This rule matches on every `<ID>` element.
- The assert tests whether the string length of this element is 9 characters long. If *not* it issues a message.
- The report tests whether the ID starts with the character X. if *so* it issues a message.