

int		examples
5		5
042		42
400		400

int		counterexamples
54a		<p><b>Parsing error:</b> The parser did not consume the entire input.</p> <pre>1   54a   ~ ^~ Surplus characters         Valid &lt;int&gt;</pre> <p>Hint: halted due to the following:</p> <pre>1   54a       ^ Regex does not match</pre> <p>While trying to parse: &lt;int&gt;.</p>

hexdigit		examples
8		8
F		F
a		a

hex		examples
0x42		0x42
0xF		0xF

identchar		examples
a		a
F		F

ident		examples
x		x
foo		foo

comma		examples
,		
,,,,		

maybehex		examples
<code>∅</code>		( <code>)</code>
<code>0x42</code>		( <code>"0x42"</code> , <code>)</code> )

maybehex		counterexamples
<code>0x</code>		<p><b>Parsing error:</b> The input does not match the expected format.</p> $1 \mid 0x$ <p style="text-align: center;">^ Regex does not match</p> <p>While trying to parse: <math>\langle \text{maybehex} \rangle \rightarrow \langle \text{hex} \rangle \rightarrow \langle \text{hexdigit} \rangle</math>.</p>

value		examples
<code>5</code>		<code>5</code>
<code>x</code>		<code>x</code>

value		counterexamples
<code>5a</code>		<p><b>Parsing error:</b> The parser did not consume the entire input.</p> $1 \mid 5a$ <p style="text-align: center;">~  ^ Surplus characters   Valid <math>\langle \text{value} \rangle</math></p> <p>Hint: halted due to the following:</p> $1 \mid 5a$ <p style="text-align: center;">^ Regex does not match</p> <p>While trying to parse: <math>\langle \text{value} \rangle \rightarrow \langle \text{int} \rangle</math>.</p>
<code>x4</code>		<p><b>Parsing error:</b> The parser did not consume the entire input.</p> $1 \mid x4$ <p style="text-align: center;">~  ^ Surplus characters   Valid <math>\langle \text{value} \rangle</math></p> <p>Hint: halted due to the following:</p> $1 \mid x4$ <p style="text-align: center;">^ Regex does not match</p> <p>While trying to parse: <math>\langle \text{value} \rangle \rightarrow \langle \text{ident} \rangle \rightarrow \langle \text{identchar} \rangle</math>.</p>
<code>0xz</code>		<p><b>Parsing error:</b> The input does not match the expected format.</p> $1 \mid 0xz$ <p style="text-align: center;">^ Regex does not match</p> <p>While trying to parse: <math>\langle \text{value} \rangle \rightarrow \langle \text{hex} \rangle \rightarrow \langle \text{hexdigit} \rangle</math>.</p>

list		examples
<code>[1, 2, 3]</code>		( <code>1, 2, 3</code> )
<code>[42, 54, ]</code>		( <code>42, 54</code> )

list		examples
[0x456, ]		( "0x456" , )

list		counterexamples
42		<p><b>Parsing error:</b> The input does not match the expected format.</p> <p>1   42   ^ Can't match string "["</p> <p>While trying to parse: &lt;list&gt;.</p>
[42, „54a”]		<p><b>Parsing error:</b> The input does not match the expected format.</p> <p>1   [42, „54a”]   ^ Can't match string "]”</p> <p>While trying to parse: &lt;list&gt;.</p>
[42]		<p><b>Parsing error:</b> The input does not match the expected format.</p> <p>1   [42]   ^ Can't match string ","</p> <p>While trying to parse: &lt;list&gt; → &lt;comma&gt;.</p>

parsing		
29	29	0

(true, "0x45")