

Octal number with 0o prefix

Modern octal literal: 0o755.

```
^0[o0][0-7]+$
```

Token-by-token breakdown

Token	Meaning
^	start of string (or line in multiline mode)
0	literal text "0"
[o0]	any of: "o", "O"
[0-7]+	one or more: any of: 0–7
\$	end of string (or line in multiline mode)

Quick usage in 7 languages

JavaScript	<pre>const re = /^0[o0][0-7]+\$/; re.test(value);</pre>
Python	<pre>import re re.match(r"^0[o0][0-7]+\$", value)</pre>
Java	<pre>Pattern.compile("^0[o0][0-7]+\$").matcher(value).matches();</pre>
C# / .NET	<pre>Regex.IsMatch(value, @"^0[o0][0-7]+\$");</pre>
Go	<pre>regexp.MustCompile(`^0[o0][0-7]+\$`).MatchString(value)</pre>
Ruby	<pre>/^0[o0][0-7]+\$/ .match?(value)</pre>
PHP	<pre>preg_match('~^0[o0][0-7]+\$~', \$value);</pre>

Common pitfalls

- **Anchored to the whole string.** This pattern uses ^ and \$, so it requires the entire input to match. To find it inside a longer text, drop the anchors and use the global (g) flag.
- **Validate beyond format.** Matching the format doesn't guarantee the value is real. Confirm the octal number with 0o prefix against a source of truth (database, API, or checksum) where it matters.