

☺ Perl 6 ☺ is out for your enjoyment

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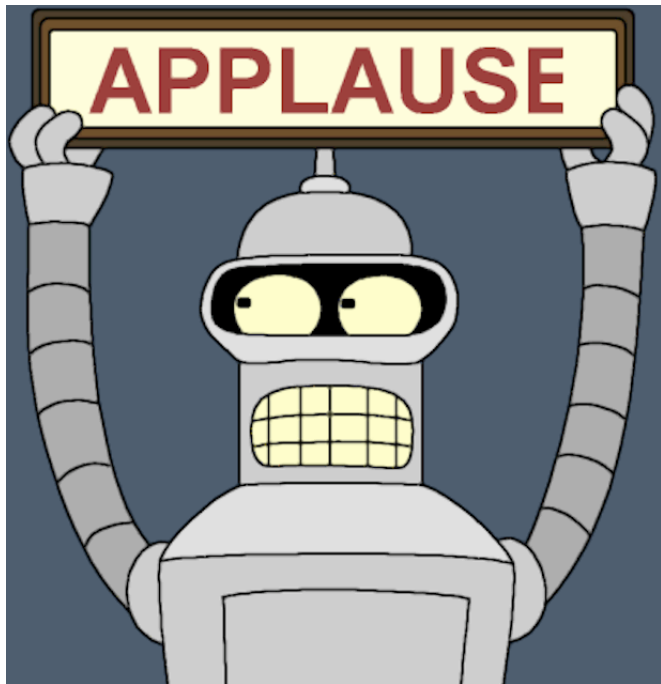
Perl 6, genau jetzt!

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Augsburger
Linux-Infotag 2006







Basic control flow and operators

```
1 my $name = prompt("What's your name?");
2 say "Hello $name!";
3 # or: "Hello $name!".say;
4
5 for 0..3 -> $i {
6     say "Day $i of congress was great!";
7 }
8
9 say "1 * 2 * 3 * 4 * 5 * 6 is:";
10 say [*] 1..6;
11
12 say (1,2,3) >>+<< (4,5,6); # (5 7 9)
```

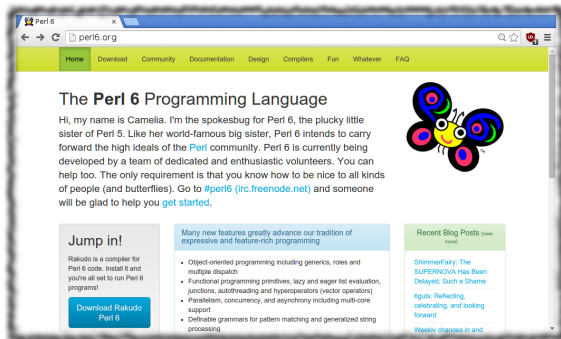
Object-orientation

```
1 class SmilingCat is Cat {  
2     has Num $.smiling-power = 9000;  
3     has Str $.name where { $^n eq uc $^n };  
4     # only uppercase names allowed  
5  
6     method smile(Person $rcpt, Bool $jump?) {  
7         say "Hello $rcpt!";  
8         say "I'm jumping!" if $jump;  
9         $rcpt.happiness += $.smiling-power;  
10    }  
11 }
```

Rules

```
1 grammar URL {  
2     rule TOP {  
3         <proto> '://' <host> '/' <path>  
4     }  
5     token proto { 'https' | 'https' }  
6     rule host { [<domain> '.'?]+ }  
7     # ...  
8 }  
9  
10 if my $ast = URL.parse("https://a.org/b") {  
11     # do something with the parse tree $ast  
12 }
```

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modern • expressive • reimagination of Perl 5 • not source-level compatible to Perl 5 • full interop with Perl 5 • gradually typed • multi-paradigmatic • dramatically overhauled regexes • fully Unicode-aware • vast meta-programming abilities • implementations decoupled from specification