

Perl



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Perl

Perl Extraction and Report Language

- **General Purpose Scripting language like Python**
 - **Larry Wall in 1987**

Larry Wall

the Benevolent Dictator for Life of the Perl project



Fact

**Larry Wall originally created Perl while a
programmer at**

UNiSYS

Motivation

From the author:

I could have solved my problem with awk and shell eventually, but I possess a fortuitous surplus of the three chief virtues of a programmer:

- x **Laziness**
- x **Impatience**
- x **Hubris**

Laziness

I was too lazy to do it in awk because it would have been hard to get awk to jump through the hoops I was wanting it to jump through.



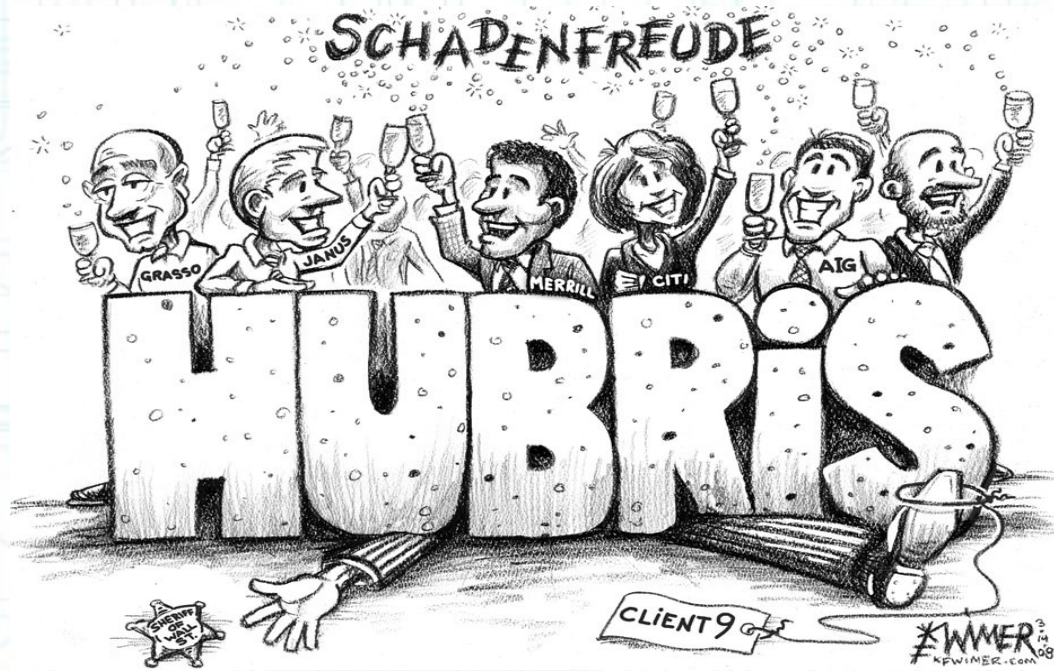
Impatience

I was too impatient to wait for awk to finish because it was so slow.

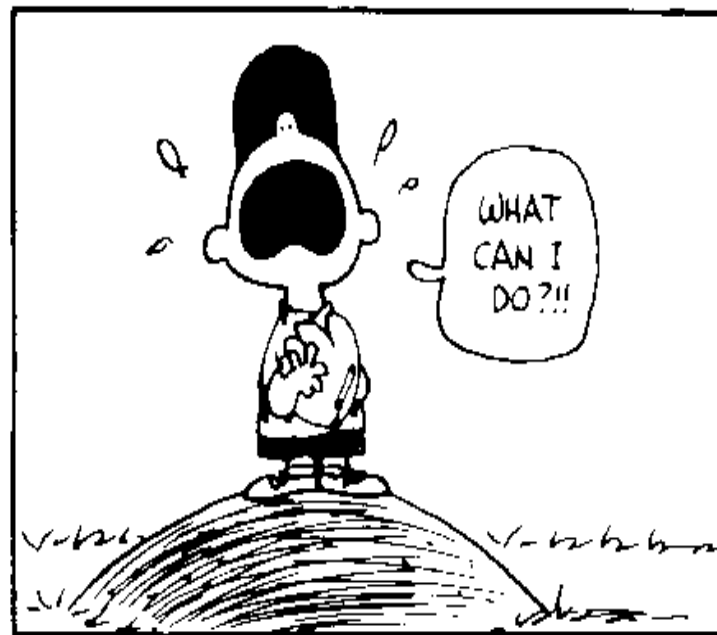


Hubris

I had the hubris to think I could do better.



What Perl can do?



Why Perl



Obfuscated code

```
#define/**/X
char*d="X0[!4cH,!"
"hcK`*!4cJc(!4cHg&#39;hc$`j"
"8f'!e~]9e)!':d+!)rAc-t*n*"
":d/!4c(b4e0!1r2e2!/t0eH!-y-c6!"
"+|,c6!)f$b(h*c6!(d'b(i)d5!(b*a'`&c"
")c5!'b+'&b'c)c4!&b-_$c'd*c3!&a.h'd+"
"d1!%a/g'e+e0!%b-g(d.d/!&c*h'd1d-!(d%g)"
"d4d+!*,1,d7d)!,h-d;c'!.b0c>d%!A`Dc$!([7]35E"
"!1'1cA,,!2kE`*!-s0d(!{k(f/!q&!f).e5'f(!+a+)"
"F%2g*!?!F5F,!=f-#e/!<d6e1!9e0'f3!6f)-g5!4d*b"
"+e6!0f%k)d7!+~^'c7!)z/d-+!n%a0(d5!%c1a+/d4"
"!t2)c9e2!9b;e!18b>e/! 7cAd-t5fAe+!7fBe(!"
"8h0d&!:iAd$!([7S,Q0!1 bF 7!1b?' 6!1c,0b4"
"!2b*a,*d3!2n4f2!$!{4 f. '!%y4e5!&f2"
"d-^-d7!4c+b)d9!4c-a 'd :!i('`&d"
";+!l'a+d(!)l*b(d=! m- a &d)!&d'"
"!0_&c?+$dAc@!$cBc@!$ b < ^&d$`"
"!+!$d9_&l++^!%f3a' n1 $ !&"
"f/c(o/_%!(f+c)q*c %! = f &d+"
"f$5&!-n,d)n(!0i- c- k) ! 3d"
"/b0h*!H`7a,!([7* i] 5 4 71"
"[=ohr&o*t*q*`d *u *r ; 02"
"7*~h./)tcrsth &t : r 9b"
"]_,b-725-.t--// #r [ < t8--"
"752793? <~.;b ],t--+r / # 53"
"7-r[/9~X .u90 <6/<.u;-52/=({ k goh"
"/.)q; u vto hr `i*$engt$ $ ,b"
";$/ =t ;v; 6 ='it.;?=- ; ,b--"
"725 = / o'. .d ;b]`-[/+ 55/ >o"
".d : - ?5 / . v/i]q - "
"-[; 5 2 =` it . o;53- . "
"u96 <7 / =o : d =o"
"--/i ]q-- [; h. / / = "
"i]q--[ ;v 9h . / < - "
"52=[c] u c&` i t . o ; "
"?4=o:d= o-- / i ]q - "
"-[;54={ c] uc& i]q - "
"[;76=i]q[;6 =usr u.i / =( "
") ,BihV_gha ,)\0 " , o [
3217);int i, r,u,f , , ,x ,
p;n(){return r <X X X X
768?d[X(143+ X r++ + *d ) %
768]:r>2659 ? 59: ( x = d
[(r++-768)% X 947 + 768] ) ?
x^(p?6:0):(p = 34 X X X )
);s()<for(x= n ()); ( x^ ( p
?6:0))=32;x= n ( ) ) ;return x ; }
void/**/main X ( ) { r = p
=0;w=sprintf (X X X X X o
,"char*d="); for ( f=1;f <
+143;)if(33-( b=d [ f++ X ] )
){if(b(93){if X(! p o
[w++]=34;for X(i = 35 +
(p?0:1);i<b; i++ ) o
[w++]=s();o[ w++ ]
=p?s():34; } else X
{for(i=92; i<b; i
++)o[w++] = 32; }
else o [w++
=10;o
w]=0 ;
puts(o);}
```

Enough is enough



Will you close your
slide, start the
coddling or I will !!!