

Tarefa 02



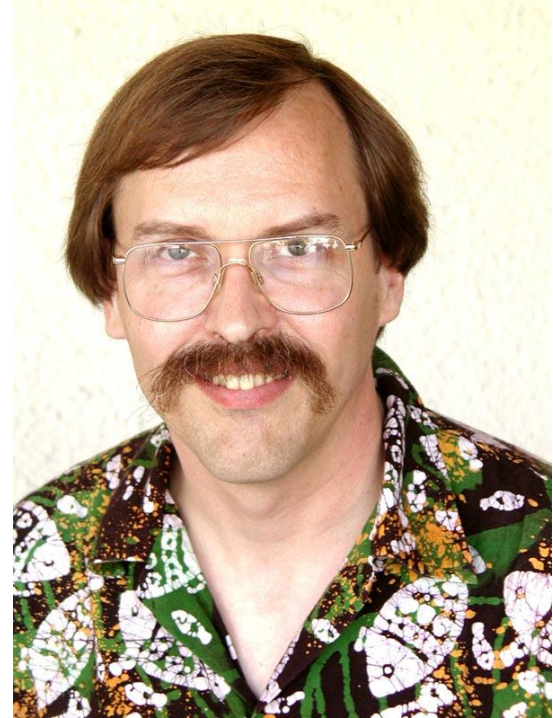
Perl

Felipe Oliveira
Renan Mendonça

Introdução

Perl

- Desenvolvida por Larry Wall em 1987
- Multiparadigma
- Multiplataforma
- Tipagem dinâmica
- Interpretada

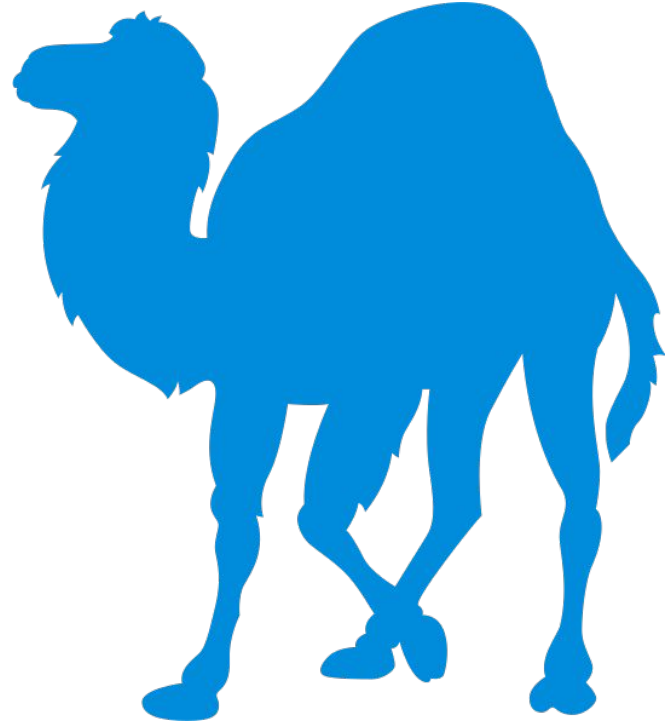


Origens e influências

- 'sed'
 - AWK
 - C
 - Shell Script
- Ruby on Rails

Usos

- Desenvolvimento de sites
- Computação gráfica
- Bioinformática
- Administração de sistemas
- Programação de redes
- Finança



Características

- Strings e expressões regulares
- Contexto de variáveis
 - Escalar e Lista
- Variável padrão \$_
- Lento
- Maior writability
- Menor readability

```
#!/usr/bin/perl -w
use strict;

# camel code

$_ = 'ev
al("seek\040D
0:");foreach(1..3)
{<DATA>;}my
@camellhump:my$camel;
my$Camel ;while(
<DATA>){$ _=sprintf("%-6
9s",$ _).my@romedary
l=split(/:/);if(defined($
p=split(/:/);while(@romeda
ryl){my$camellhump=0
;my$CAMEL=3;if(defined($ _shif
t(@romedaryl
))&&/S/){$camellhump+1<<$CAMEL;}
$CAMEL--;if(d
efined($ _shift(@romedaryl))&&/S/){
$camellhump+1
<<$CAMEL;}$CAMEL--;if(defined($ _shift(
@camellhump))&&/S/){$camellhump+1<<$CAMEL;}$CAMEL--;if(
defined($ _shift(@camellhump))&&/S/){$camellhump+1<<$CAME
L;}}$camel.=($split(/,/,"040..m {/J\047\134\L~7FX"})){$camellh
ump;}}$camel.="n";@camellhump=split(/n/,$camel);foreach(@
camellhump){chomp;$Camel=$ _;y/LJF7\173\175\047\061\062\063\
064\065\066\067\070;/y/12345678/JL7F\175\173\047 /;$ _=reverse;
print"$ \040$Camel\n";}foreach(@camellhump){chomp;$Camel=$ _;y
/LJF7\173\175 \047/12345678;/y/12345678/JL7F\175\173\0 47 /;
$ _=reverse;print"\040$ _$Camel\n";}};s/\s*/ /g;eval; eval
("seek\040DATA,0,0:");undef$;$_=<DATA>;s/\s*/ /g;(
);;s
;".*";;map{eval"print"$ _";}/./{4}/g; DATA \124
\1 50\145\040\165\163\145\040\157\1 46\040\1 41\0
40\143\141 \155\145\1 54\040\1 51\155\ 141
\147\145\0 40\151\156 \040\141 \163\16 3\
157\143\ 151\141\16 4\151\1 57\156
\040\167 \151\164\1 50\040\ 120\1
45\162\ 154\040\15 1\163\ 040\14
1\040\1 64\162\1 41\144 \145\
155\14 1\162\ 153\04 0\157
\146\ 040\11 7\047\ 122\1
45\15 1\154\1 54\171 \040
\046\ 012\101\16 3\16
3\15 7\143\15 1\14
1\16 4\145\163 \054
\040 \111\156\14 3\056
\040\ 125\163\145\14 4\040\
167\1 51\164\1 50\0 40\160\
145\162 \155\151
\163\163 \151\1
57\156\056
```

Características

- Strings e expressões regulares
- Contexto de variáveis
 - Escalar e Lista
- Variável padrão `$_`
- Lento
- Maior writability
- Menor readability

```

#!/usr/bin/perl -w
use strict;

                                $ = 'ev'
                                al("seek\040D
                                0");foreach(1..3)
                                {<DATA>:}my
                                {<DATA>:}while(
                                my$Camel ;while(
                                9s",$) :my@dromedary
                                =<DATA>){@camelhump
                                ryl){my$camelhump=0
                                t(@dromedaryl
                                $CAMEL--:if(d
                                efined($ =shift
                                (@camelhump+1
                                <<$CAMEL;$CAMEL--:
                                ifdefined($ =shift
                                (@camelhump+1)
                                &&/S/){$camelhump+1<
                                <$CAMEL;$CAMEL--:if(
                                defined($ =shift
                                (@camelhump)
                                &&/S/){$camelhump+1<
                                <$CAMEL
                                L;:$camel=(split(//,
                                "\040. m {/J\047\134\
                                7FX")|)$camelh
                                ump;}$camel="n";
                                @camel=split(/n/,
                                $camel);foreach
                                (@camelhump){chomp;
                                $camel=$ _y/LJF7\173\175
                                \047\061\062\063\
                                064\065\066\067\070/:y/12345678\
                                JL7F\175\173\047/:$ =reverse;
                                print"\040$Camel\n";foreach
                                (@camelhump){chomp;$camel=$ _y
                                /LJF7\173\175 \047\12345678/:
                                y/12345678\JL7F\175\173\0
                                47/:$ =reverse;print"\040$
                                $Camel\n";}:};s/*//g;eval:
                                eval
                                ("seek\040DATA,0,0");undef$;
                                <DATA>;s/*//g;(
                                :/*:};map{eval(print"$ _\n");
                                }$g;DATA
                                \124
                                \1
                                50\145\040\165\163\145\040\157\1
                                46\040\1
                                41\0
                                40\143\141 \155\145\1 54\040\1 51\155\ 141
                                \147\145\0 40\151\156 \040\141 \163\16 3
                                157\143\ 151\141\16 4\151\1 57\156
                                \040\167 \151\164\1 50\040\ 120\1
                                45\162\ 154\040\15 \1\63\ 040\14
                                1\040\1 64\162\1 41\144 \145\
                                155\14 1\162\ 153\04 0\157
                                \146\ 040\11 7\047\ 122\1
                                45\15 \1\54\1 54\171 \040
                                \046\ 012\101\16 3\16
                                3\15 7\143\15 \14
                                \1\16 4\145\163 \054
                                \040 \111\156\14 3\056
                                \040\ 125\163\145\14 4\040\
                                167\1 51\164\1 50\0 40\160\
                                145\162 \155\151
                                \163\163 \151\1
                                57\156\056

```