

Polyglots

Julian Fietkau

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COBOL

COBOL, Pascal

COBOL, Pascal, Fortran

COBOL, Pascal, Fortran, C

**COBOL, Pascal, Fortran, C,
PostScript**

**COBOL, Pascal, Fortran, C,
PostScript, sh**

**COBOL, Pascal, Fortran, C,
PostScript, sh, Perl**

**COBOL, Pascal, Fortran, C,
PostScript, sh, Perl, x86 ASM**

Cu #%*)pop mark/CuG 4 def/# 2 def%%%@@P [TX---P\P_SXPY!Ex (mx2ex ("SX!Ex4P) Ex=

CuG #%* *+Ex=

CuG #%* -----*+Ex=

CuG #%* POLYGLOT - a program in eight languages 15 February 1991 *+Ex=

CuG #%* 10th Anniversary Edition 1 December 2001 *+Ex=

CuG #%* *+Ex=

CuG #%* Written by Kevin Bungard, Peter Lisle, and Chris Tham *+Ex=

CuG #%* *+Ex=

CuG #%* Polyglot supports the following languages: *+Ex=

CuG #%* 1. COBOL (ANSI) *+Ex=

CuG #%* 2. Pascal (ISO) *+Ex=

CuG #%* 3. Fortran (ANSI, f77) *+Ex=

CuG #%* 4. C (ANSI-ish) *+Ex=

CuG #%* 5. PostScript *+Ex=

CuG #%* 6. Linux/Unix shell script (bash, sh, csh) *+Ex=

CuG #%* 7. x86 machine language (MS-DOS, Win32, Linux) *+Ex=

CuG #%* 8. Perl (version 5) *+Ex=

CuG #%* *+Ex=

CuG #%* Usage: *+Ex=

CuG #%* 1. Rename this file to polyglot.[cob|pas|f77|c|ps|sh|com|pl] *+Ex=

CuG #%* *+Ex=

CuG #%* 2. Compile and run with your favorite compiler and operating *+Ex=

CuG #%* system. *+Ex=

CuG #%* *+Ex=

CuG #%* Notes: *+Ex=

CuG #%* 1. We have attempted to use only standard language features. *+Ex=

CuG #%* *+Ex=

CuG #%* 2. Without the -traditional flag gcc will issue a warning. *+Ex=

CuG #%* *+Ex=

CuG #%* 3. When transferring from Unix to DOS make sure that a LF *+Ex=

```

CuG #%*          is correctly translated into a CR/LF.          *+Ex=
CuG #%*          *+Ex=
CuG #%*          4. Keep the blank lines at the start of the program. They *+Ex=
CuG #%*          are important.                                *+Ex=
CuG #%*          *+Ex=
CuG #%*          5. This text is a comment block in all eight languages. *+Ex=
CuG #%*          *+Ex=
CuG #%*          Please mail any comments, corrections or additions to *+Ex=
CuG #%*          polyglot@ideology.com.au                      *+Ex=
CuG #%*          *+Ex=
CuG #%*-----*QuZ=
CuG #%*          *+Ex=
CuG #%*!Mx) ExQX5ZZ5SSP5n*5X!) Ex+ExpQXH, B+Exp [-9A-9B (g? (gA 'UTTER_XYZZXX!X *+
CuG # (*          * (
C # */);          /* (
C # *) program    polyglot (output);          (*+
C # identification division.
C # program-id.   polyglot.
C #
C # data          division.
C # procedure     division.
C #
C # * ))cleartomark /Bookman-Demi findfont 36 scalefont setfont (
C # *          (
C #
C # *          hello polyglots$
C # main.
C # perform
C /# * ) 2>_$$; echo "hello polyglots"; rm _$$; exit;
C # * (
C #

```

```

C      *0 ) unless print "hello polyglots\n"; __END__
          print
C          stop run.
      -*,          'hello polyglots'
C
C      print.
C          display      "hello polyglots".          (
C      */ int i;                                          /*
C      */ main () {                                      /*
C      */      i=printf ("hello polyglots\n"); O= &i; return *O; /*
C      *)                                                (*
C      *) begin                                          (*
C      *)      writeln ('hello polyglots');            (*
C      *)                                                (* )
C      * ) pop 60 360                                     (
C      * ) pop moveto      (hello polyglots) show      (
C      * ) pop showpage                                  ((
C      *)
          end                                          . (* )
C)pop%      program      polyglot.                  *) {*/}

```


zsh

zsh, bash

zsh, bash, sh

zsh, bash, sh, Ruby

zsh, bash, sh, Ruby, Perl

**zsh, bash, sh, Ruby, Perl,
tcl**

**zsh, bash, sh, Ruby, Perl,
tcl, make**

**zsh, bash, sh, Ruby, Perl,
tcl, make, C**

**zsh, bash, sh, Ruby, Perl,
tcl, make, C, C++**

**zsh, bash, sh, Ruby, Perl,
tcl, make, C, C++, Haskell**

**zsh, bash, sh, Ruby, Perl,
tcl, make, C, C++, Haskell,
Brainfuck**

**zsh, bash, sh, Ruby, Perl,
tcl, make, C, C++, Haskell,
Brainfuck, Python**

**zsh, bash, sh, Ruby, Perl,
tcl, make, C, C++, Haskell,
Brainfuck, Python, HTML**

**zsh, bash, sh, Ruby, Perl,
tcl, make, C, C++, Haskell,
Brainfuck, Python, HTML,
JavaScript**

**zsh, bash, sh, Ruby, Perl,
tcl, make, C, C++, Haskell,
Brainfuck, Python, HTML,
JavaScript, Perl 6**

```

# /* [  <!-- */ include <stdio.h> /*  \
#{\
`""""true \#{ "\n#"}; \
\
if [ -n "$ZSH_VERSION" ]; then \
\
    echo exec echo I\'m a zsh script.; \
\
elif [ -n "$BASH_VERSION" ]; then \
\
    echo exec echo I\'m a bash script.; \
else \
    echo exec echo I\'m a sh script.; \
fi`; #\
BEGIN{print"I'm a ", 0 ? "Ruby" : "Perl", " program.\n"; exit; }
#\
%q~

set dummy =0; puts [list "I'm" "a" "tcl" "script."]; exit

all: ; @echo "I'm a Makefile." \
#*/
/*: */ enum {a, b}; \
\
static int c99(void) {

    #ifndef __cplusplus /* bah */

unused1: if ((enum {b, a})0) \
(void)0;
    #endif

```

```

unused2:    return a;    \
}    \
static int trigraphs(void) {    \
\
    return sizeof "??!"    == 2;    \
}    \
char X;    \
\
int main(void) {    \
\
    struct X {    \
\
        char    a[2];    \
};\
    if (sizeof(X) != 1) {    \
\
printf("I'm a C++ program (trigraphs %sabled).\n",    \
\
    trigraphs() ? "en" : "dis");\
\
} else if (1/**/2

)unused3 : { ; \
    printf("I'm a C program (C%s, trigraphs %sabled).\n", \
        c99() ? "89 with // comments" : "99", \
        trigraphs() ? "en" : "dis"); \
} else { \
    printf("I'm a C program (C89, trigraphs %sabled).\n", \
        trigraphs() ? "en" : "dis"); \
} \
return 0; \

```


*When you stare into the abyss, the
abyss stares back at you.*

-Friedrich Nietzsche