

Cado on Sourceforge - a coder's friend

- a general purpose code generation framework
- rapid prototyping based on sharable templates
- interpretive, seamless shell integration
- ideal for “one-offs”, or for orchestrating multi-step tool chains
- Interpreted - easy to extend

Dear John:

```
letter_template := << (  
  
  {=theDate=}  
  
  Dear {=firstname=},  
  
  I am breaking up with you. {=theReason=}  
  
  {=signoff=},  
  {=myname=}  
  )  
  
CG_SHELL_COMMAND_ARGS = "+%m/%d/%Y"  
theDate = $theDate:date  
myname = Miss Piggy  
  
firstname = John  
theReason = You suck!  
signoff = I sincerely hope you rot in Hell  
%evalmacro ECHO_TXT letter_template  
echo    /${firstname:tolower}.txt  
  
firstname = Bob  
theReason = It's not you, $firstname, it's me.  
signoff = Regrettably  
%evalmacro ECHO_TXT letter_template  
echo    /${firstname:tolower}.txt
```

the result:

==> letters/bob.txt <==

03/27/2012

Dear Bob,

I am breaking up with you. It's not you, Bob, it's me.

Regrettably,
Miss Piggy

==> letters/john.txt <==

03/27/2012

Dear John,

I am breaking up with you. You suck!

I sincerely hope you rot in Hell,
Miss Piggy

Easy to extend:

```
mytolower.pl:  
sub mytolower_op  
{  
    my ($var) = @_;  
    $var =~ tr/[A-Z]/[a-z]/;  
    return $var;  
}  
1;
```

```
foo.cg:  
%pragma require mytolower.pl
```

```
FOO = FOO  
%echo FOO=$FOO:mytolower
```

result:

```
# cado -u foo.cg  
FOO=foo
```

lots of built-in ops:

```
:assign, :a :append :insert :nameof :undef :valueof :zero :clr :clrifndef
:env :pwd
:decr :incr, :i :isint :pad :plus<n> :minus<n> :times<n> :div<n> :rem<n>
:xmlcomment :xmlcommentblock :_<element_name> :stripxmlcomments
:indent<n> :basename :dirname :suffix :root :cap :uncap :onecol
:oneline :lnewline :rnewline :newline, :nl :fixeol :eoltrim :eolsqueeze
:ltrim :rtrim :trim :g
:substitute :s :s2,:s3,:s4,:s5 :substituteliteral :sl :lspace :rspace :space
:tab :cgvar :quote,:q
:dquote,:dq :todos :tounix :toupper :tolower :hexencode :hexdecode :urlencode
:urldecode :crc :crcfile
:crcstr :freq :studyclass :stripRcsKeywords :method2rec :init_objc_ptr
:top :bottom :car :cdr :split :stacksize :stackminus :showstack :unique :dups
:antvar :parse_antprops :clear_antprops :expand_antprops :showantvars
:expand_antrefs :antpropvalue
:antpropnames :isantprop :factorShSubs
:factorShVars :factorCshVars :B
:T :d :e :f :l :r :sz :w :x :z
:createtime :modtime
:eq :ne :ge :gt :le :lt :match :m
:rangelb :rangeub
:openfile :closefile :getnextline :currentline :currentlinenumber
:pv :pragmavalue
```

some applications

- convert wiki languages:
 - `https://github.com/russt/wikiconvert`
- convert builds from ant to maven
- convert old source from sccs->cvcs->subversion
- generate customized build system
- generate test scripts!

Cado on Sourceforge

<http://sourceforge.net/projects/cado/>
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