

**1. Copyright.**

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**2. *cweb\_put\_k\_into\_ph* grammar.**

Puts the *cweb* comments into the appropriate parse phrase.

**3. Fsm Ccweb\_put\_k\_into\_ph class.****4. Ccweb\_put\_k\_into\_ph user-declaration directive.**

⟨Ccweb\_put\_k\_into\_ph user-declaration directive 4⟩ ≡

```
public: AST * cweb_marker_t_;
        bool *rules_phrase_seen_;
        void initialize(AST * Cweb_marker_t, bool *Rules_phrase_seen);
```

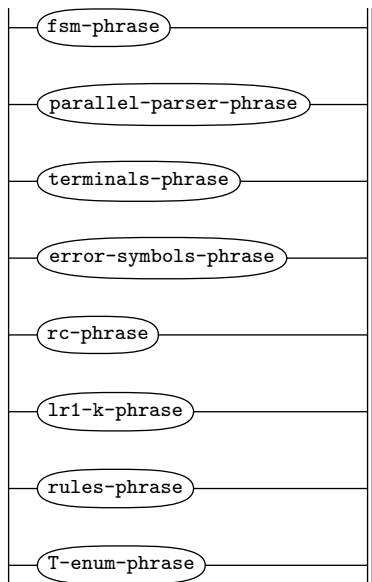
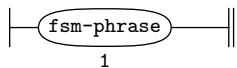
**5. Ccweb\_put\_k\_into\_ph user-implementation directive.**

⟨Ccweb\_put\_k\_into\_ph user-implementation directive 5⟩ ≡

```
void Ccweb_put_k_into_ph :: initialize(AST * Cweb_marker_t, bool *Rules_phrase_seen)
{
    cweb_marker_t_ = Cweb_marker_t;
    rules_phrase_seen_ = Rules_phrase_seen;
}
```

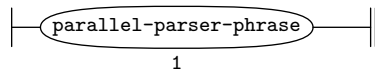
**6. Rcweb\_put\_k\_into\_phrase rule.**

Rcweb\_put\_k\_into\_phrase

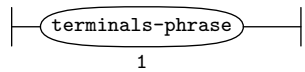
**7. Rcweb\_put\_k\_into\_phrase's subrule 1.**

⟨Rcweb\_put\_k\_into\_phrase subrule 1 op directive 7⟩ ≡

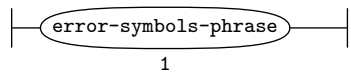
```
Ccweb_put_k_into_ph * fsm = ( Ccweb_put_k_into_ph * ) rule_info...parser...fsm.tbl...;
sf-p1...add_cweb_marker(fsm-cweb_marker_t_);
```

**8. Rcweb\_put\_k\_into\_phrase's subrule 2.**

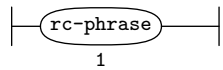
$\langle \text{Rcweb\_put\_k\_into\_phrase subrule 2 op directive 8} \rangle \equiv$   
 $Ccweb\_put\_k\_into\_ph * fsm = ( Ccweb\_put\_k\_into\_ph * ) rule\_info\_parser\_fsm\_tbl\_;$   
 $sf \rightarrow p1\_add\_cweb\_marker(fsm \rightarrow cweb\_marker\_t\_);$

**9. Rcweb\_put\_k\_into\_phrase's subrule 3.**

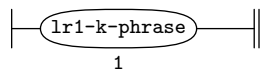
$\langle \text{Rcweb\_put\_k\_into\_phrase subrule 3 op directive 9} \rangle \equiv$   
 $Ccweb\_put\_k\_into\_ph * fsm = ( Ccweb\_put\_k\_into\_ph * ) rule\_info\_parser\_fsm\_tbl\_;$   
 $sf \rightarrow p1\_add\_cweb\_marker(fsm \rightarrow cweb\_marker\_t\_);$

**10. Rcweb\_put\_k\_into\_phrase's subrule 4.**

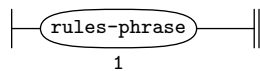
$\langle \text{Rcweb\_put\_k\_into\_phrase subrule 4 op directive 10} \rangle \equiv$   
 $Ccweb\_put\_k\_into\_ph * fsm = ( Ccweb\_put\_k\_into\_ph * ) rule\_info\_parser\_fsm\_tbl\_;$   
 $sf \rightarrow p1\_add\_cweb\_marker(fsm \rightarrow cweb\_marker\_t\_);$

**11. Rcweb\_put\_k\_into\_phrase's subrule 5.**

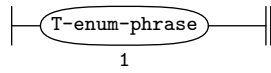
$\langle \text{Rcweb\_put\_k\_into\_phrase subrule 5 op directive 11} \rangle \equiv$   
 $Ccweb\_put\_k\_into\_ph * fsm = ( Ccweb\_put\_k\_into\_ph * ) rule\_info\_parser\_fsm\_tbl\_;$   
 $sf \rightarrow p1\_add\_cweb\_marker(fsm \rightarrow cweb\_marker\_t\_);$

**12. Rcweb\_put\_k\_into\_phrase's subrule 6.**

$\langle \text{Rcweb\_put\_k\_into\_phrase subrule 6 op directive 12} \rangle \equiv$   
 $Ccweb\_put\_k\_into\_ph * fsm = ( Ccweb\_put\_k\_into\_ph * ) rule\_info\_parser\_fsm\_tbl\_;$   
 $sf \rightarrow p1\_add\_cweb\_marker(fsm \rightarrow cweb\_marker\_t\_);$

**13. Rcweb\_put\_k\_into\_phrase's subrule 7.**

$\langle \text{Rcweb\_put\_k\_into\_phrase subrule 7 op directive 13} \rangle \equiv$   
 $Ccweb\_put\_k\_into\_ph * fsm = ( Ccweb\_put\_k\_into\_ph * ) rule\_info\_parser\_fsm\_tbl\_;$   
 $sf \rightarrow p1\_add\_cweb\_marker(fsm \rightarrow cweb\_marker\_t\_);$   
 $(*fsm \rightarrow rules\_phrase\_seen_) = true;$

14. *Rcweb\_put\_k\_into\_phrase*'s subrule 8.

⟨*Rcweb\_put\_k\_into\_phrase* subrule 8 op directive 14⟩ ≡  
*Ccweb\_put\_k\_into\_ph* \* *fsm* = ( *Ccweb\_put\_k\_into\_ph* \* ) *rule\_info*...*parser*...*fsm\_tbl*...;  
*sf* → *p1*...*add\_cweb\_marker*(*fsm* → *cweb\_marker\_t*);

**15. First Set Language for  $O_2^{linker}$ .**

```
/*
  File: cweb_put_k_into_ph.fsc
  Date and Time: Fri Jan  2 15:33:31 2015
*/
transitive      n
grammar-name    "cweb_put_k_into_ph"
name-space      "NS_cweb_put_k_into_ph"
thread-name     "Ccweb_put_k_into_ph"
monolithic      y
file-name       "cweb_put_k_into_ph.fsc"
no-of-T         569
list-of-native-first-set-terminals 8
  T_fsm_phrase
  T_parallel_parser_phrase
  T_enum_phrase
  T_terminals_phrase
  T_error_symbols_phrase
  T_lr1_k_phrase
  T_rc_phrase
  T_rules_phrase
end-list-of-native-first-set-terminals
list-of-transitive-threads 0
end-list-of-transitive-threads
list-of-used-threads 0
end-list-of-used-threads
fsm-comments
"Extract CWEB comments."
```

## 16. Lr1 State Network.

$\Rightarrow$					State: 1 state type: $s$			
	$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
	c	Rcweb_put_k_into_phrase		1 1 1		fsm-phrase		1 2 2
	c	Rcweb_put_k_into_phrase		1 2 1		parallel-parser-phrase		1 3 3
	c	Rcweb_put_k_into_phrase		1 8 1		T-enum-phrase		1 4 4
	c	Rcweb_put_k_into_phrase		1 3 1		terminals-phrase		1 5 5
	c	Rcweb_put_k_into_phrase		1 4 1		error-symbols-phrase		1 6 6
	c	Rcweb_put_k_into_phrase		1 6 1		lr1-k-phrase		1 7 7
	c	Rcweb_put_k_into_phrase		1 5 1		rc-phrase		1 8 8
	c	Rcweb_put_k_into_phrase		1 7 1		rules-phrase		1 9 9
$\Rightarrow$	<i>fsm-phrase</i>				State: 2 state type: $r$			
	$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
	t	Rcweb_put_k_into_phrase		1 1 2				1 0 2 1
$\Rightarrow$	<i>parallel-parser-phrase</i>				State: 3 state type: $r$			
	$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
	t	Rcweb_put_k_into_phrase		1 2 2				1 0 3 1
$\Rightarrow$	<i>T-enum-phrase</i>				State: 4 state type: $r$			
	$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
	t	Rcweb_put_k_into_phrase		1 8 2				1 0 4 1
$\Rightarrow$	<i>terminals-phrase</i>				State: 5 state type: $r$			
	$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
	t	Rcweb_put_k_into_phrase		1 3 2				1 0 5 1
$\Rightarrow$	<i>error-symbols-phrase</i>				State: 6 state type: $r$			
	$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
	t	Rcweb_put_k_into_phrase		1 4 2				1 0 6 1
$\Rightarrow$	<i>lr1-k-phrase</i>				State: 7 state type: $r$			
	$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
	t	Rcweb_put_k_into_phrase		1 6 2				1 0 7 1
$\Rightarrow$	<i>rc-phrase</i>				State: 8 state type: $r$			
	$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
	t	Rcweb_put_k_into_phrase		1 5 2				1 0 8 1
$\Rightarrow$	<i>rules-phrase</i>				State: 9 state type: $r$			
	$\leftarrow$	<b>rule</b>	$\rightarrow$	<b>R# sr# Po</b>	$\leftarrow$	<b>subrule element</b>	$\rightarrow$	<b>Brn Gto Red LA</b>
	t	Rcweb_put_k_into_phrase		1 7 2				1 0 9 1

**17. Index.**

*add\_cweb\_marker*: 7, 8, 9, 10, 11, 12, 13, 14.  
AST: 4, 5.  
*Ccweb\_put\_k\_into\_ph*: 5, 7, 8, 9, 10, 11, 12, 13, 14.  
*cweb*: 2.  
*Cweb\_marker\_t*: 4, 5.  
*cweb\_marker\_t*: 4, 5, 7, 8, 9, 10, 11, 12, 13, 14.  
*cweb\_put\_k\_into\_ph*: 2.  
error-symbols-phrase: 6.  
*fsm*: 7, 8, 9, 10, 11, 12, 13, 14.  
fsm-phrase: 6.  
*fsm\_tbl*: 7, 8, 9, 10, 11, 12, 13, 14.  
*initialize*: 4, 5.  
lr1-k-phrase: 6.  
parallel-parser-phrase: 6.  
*parser*: 7, 8, 9, 10, 11, 12, 13, 14.  
*p1*: 7, 8, 9, 10, 11, 12, 13, 14.  
rc-phrase: 6.  
*Rcweb\_put\_k\_into\_phrase*: 6, 7, 8, 9, 10, 11,  
12, 13, 14.  
*rule\_info*: 7, 8, 9, 10, 11, 12, 13, 14.  
rules-phrase: 6.  
*Rules\_phrase\_seen*: 4, 5.  
*rules\_phrase\_seen*: 4, 5, 13.  
*sf*: 7, 8, 9, 10, 11, 12, 13, 14.  
T-enum-phrase: 6.  
terminals-phrase: 6.  
*true*: 13.

⟨ Cweb\_put\_k\_into\_ph user-declaration directive 4 ⟩  
⟨ Cweb\_put\_k\_into\_ph user-implementation directive 5 ⟩  
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⟨ Rweb\_put\_k\_into\_phrase subrule 3 op directive 9 ⟩  
⟨ Rweb\_put\_k\_into\_phrase subrule 4 op directive 10 ⟩  
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⟨ Rweb\_put\_k\_into\_phrase subrule 8 op directive 14 ⟩



# cweb\_put\_k\_into\_ph Grammar

Date: January 2, 2015 at 15:35

File: cweb\_put\_k\_into\_ph.lex

Ns: NS\_cweb\_put\_k\_into\_ph

Version: 1.0

Debug: false

Grammar Comments:

Type: Monolithic

Extract CWEB comments.

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