

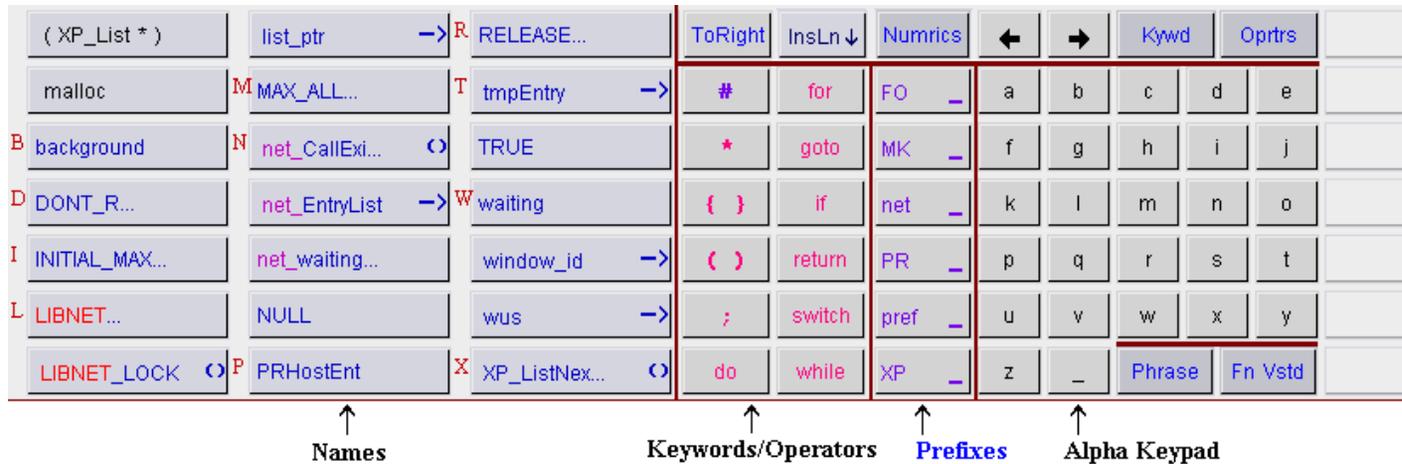
To Edit Code with the Tokens Panel

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Using the Tokens Panel - An Overview

1. Click the **<Edit> tab** to display the Tokens Panel.
2. Use the **Tokens Panel** to enter keywords, variables and operators.
3. Use the **keyboard** to enter a string or a number
or when you introduce a variable or function name **for the first time.**
4. Use **<DelLine>**, **<DelWord>**, **<WrdBack>** and **<InsLn↓>**, **<InsLn↑>** as needed.
5. Use the **<ToRight> button** to move the cursor out of the parentheses,
or to the right of the semi-colon in `for (...; ...; ...).`

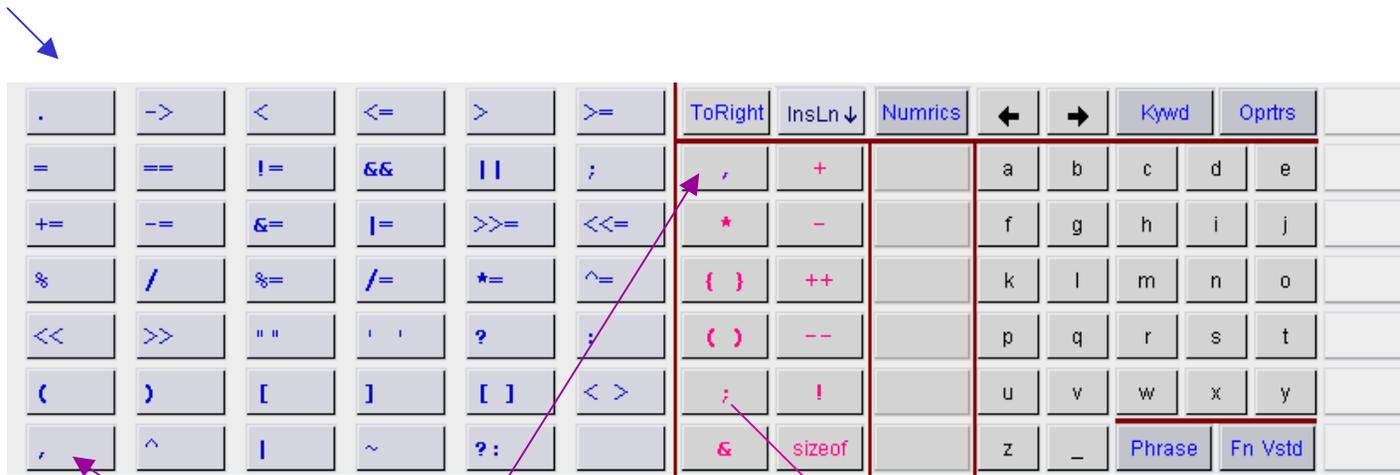
To enter a Statement or a Declaration



1. Click a **keyword** from the Keywords/Operators area.
2. Click a **variable or function's name** from the Names area.
3. **Operator:**
 - Frequently used operators are in the Keywords/Operators area.
 - When an operator is expected, operators are displayed in the **Names area**.

Operators

When an Operator is expected,
the set of operators becomes available.



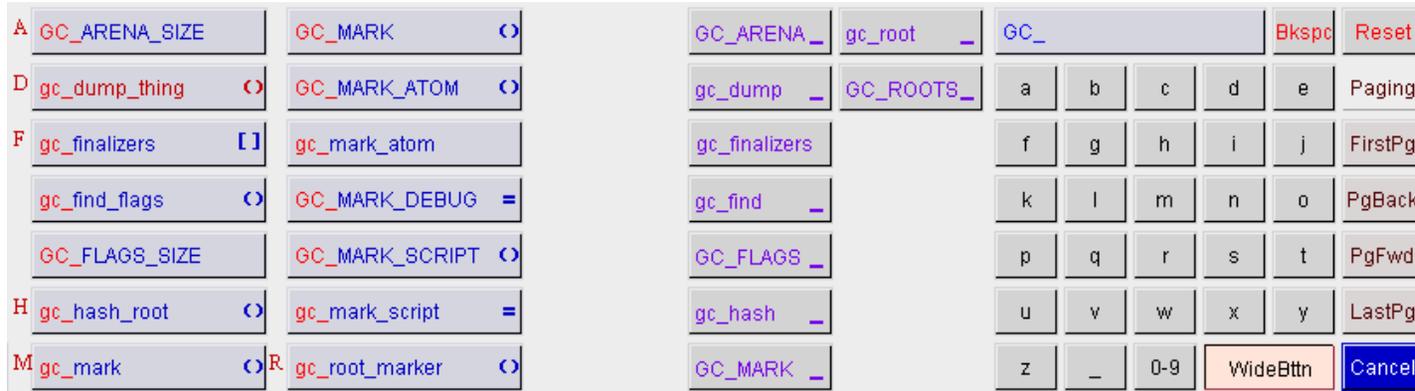
1. For convenience,
the comma is available in two places when you
are entering arguments in a function-call.
2. For convenience,
this semi-colon ; is inserted
at the end of the line.
3. the pair of braces { } are
inserted after the current line.

With or Without the Trailing Operator



- ◆ When you click in the right-half of the button "cx →", both cx and → are entered.
- ◆ When you click in the left-half, only cx is entered.
- ◆ Similarly, you can click a prefix with or without the underscore "_"
- ◆ A right-click on a name button will display its type-info, the file it is defined in, etc.

When You Click a Prefix

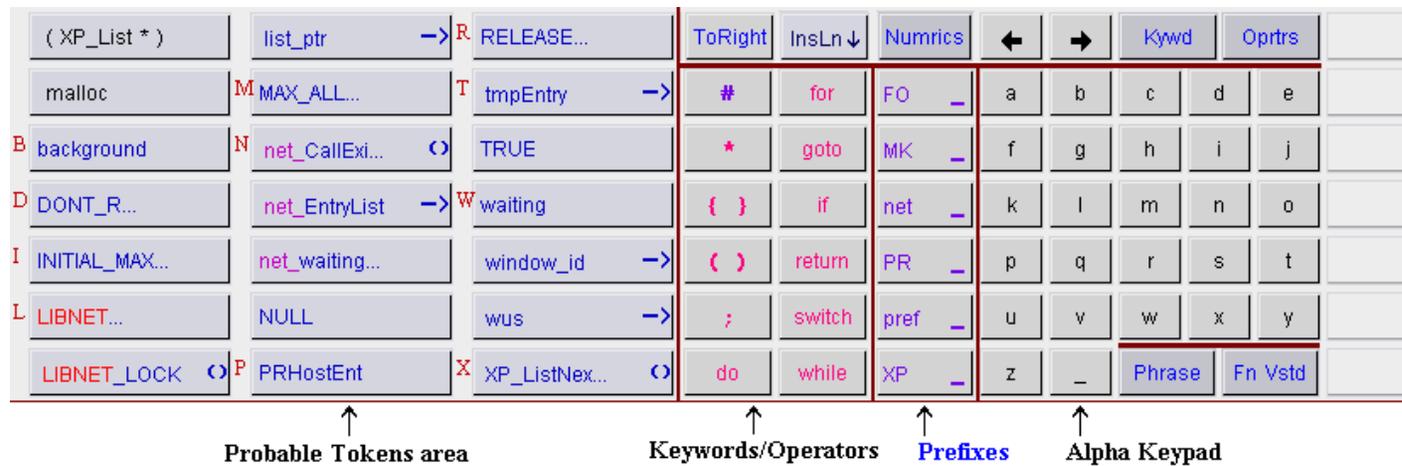


Alpha Keypad

Suppose you did not see the desired name.
So you clicked the Prefix "GC_"

1. You will see names that begin with "GC_".
2. The Prefix column now shows prefixes that begin with "GC_"
3. If the desired identifier is still not visible,
 - a. click from the updated prefixes
 - b. or a character from alpha-keypad
 - c. or click <PgFwd> to page forward.

"To Right" and  , 



- ◆ <ToRight> moves the cursor to the right:

You will need it frequently to:

- move the cursor out from any parentheses.
- move the cursor to the next expression within "for (...; ...; ...)" or after "...".

- ◆ With  and  you can select a part of the expression you are in.

then parenthesize the selected part with a right-click in the window.

- ◆ <InsLn↓> inserts an empty line.

Entering case's in a switch



- ◆ Say you are entering the cases in a switch:

```
switch( type ) {
  case SRC_LABEL:
  case SRC_LABELBRACE:
  case SRC_BREAK2LABEL:
  case SRC_CONT2LABEL:
  case SRC_FUNCDEF:
    atomIndex = js_GetSrcNoteOffset( sn, 0 );
    break;
  .....
}
```

- ◆ After you enter the first case:

```
switch( type ) {
  case SRC_LABEL:
```

You will see a set of case buttons.

- ◆ Click any button to enter the case.

Click in the right half to enter "break;" after the case.

Structure References

jp->sprinter.	J	jp	->	O	obj	->	ToRight	InsLn↓	Numrics	←	→	Kywd	Optrs		
0	;	js_CallClass	•	OFF2STR	⊙	" "	+	JOF	_	a	b	c	d	e	
1	;	js_CodeSpec	[]	OPDEF		*	-	js	_	f	g	h	i	j	
A	argc	js_Functio...	•	S	str	->	{ }	++	JSO		k	l	m	n	
C	cx	JS_NewStrin...	⊙	STR2OFF	⊙	()	--	JSOP	_	p	q	r	s	t	
F	FAR	js_ObjectOps	•	__mb_cur_max		;	!	JSS		u	v	w	x	y	
I	INIT_SPRINTER	⊙	N	NULL	;	_pctype	[]	&	sizeof	SRC	_	z	_	Phrase	Fn Vstd

- ◆ You are entering the following statements:

```
cx = jp->sprinter.context;
size = jp->sprinter.size;
```

- ◆ After you have entered

```
cx = jp->sprinter.context;
size =
```

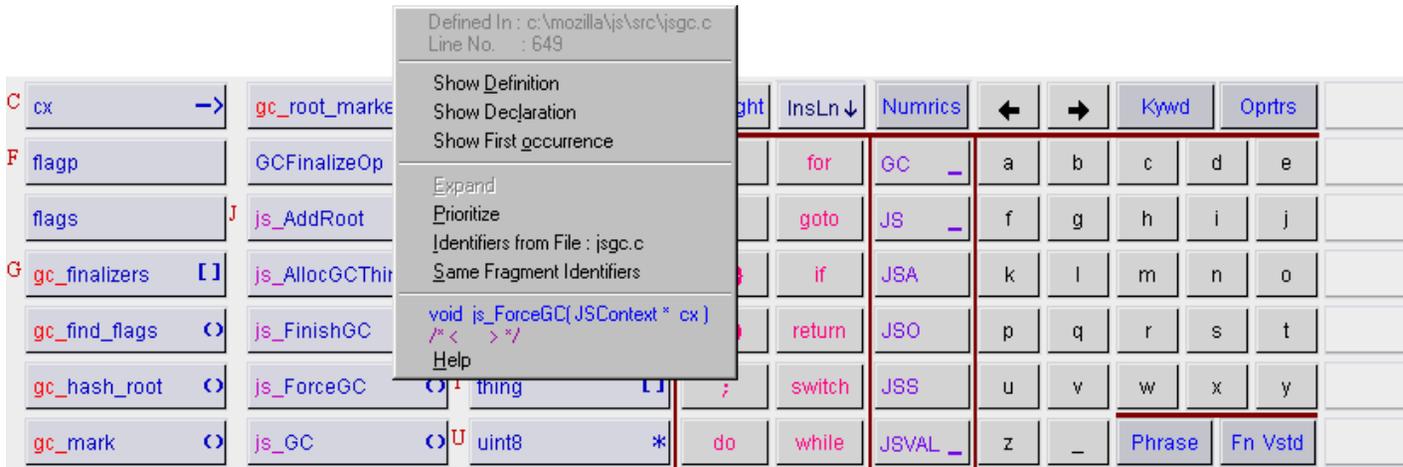


Here you may need `jp->sprinter.` again.

Crystal C displays `jp->sprinter.`

- ◆ Enter `jp->sprinter.` with one click.

Right-click on a Name Button



1. Go to the definition or go to the declaration or go to the first occurrence in the current file.
2. **Expand** is useful when the name is too long to fit in the button and ends with "...".
3. **Prioritize** so that the name is always present in the Tokens panel.
4. Display the names of objects or functions from the same file or have similar spelling.
5. Click on the **type-information** to see the full sequence of type information.

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