

Notation

Grammar

The following notational convention is used in grammar snippets:

Notation	Example	Meaning
CAPITAL_CASE	IDENTIFIER	A named nonterminal or lexer token
"string"	"if" , "+"	The exact character(s)
string	"	Alternative syntax for exact character(s)
snake_case	let_stmt , item	A syntactical production
\x \n , \r , \t , \0		The character represented by this escape
x?	pub?	An optional item
x	item	0 or more of x
x+	item+	1 or more of x
x{a}	[0-9a-fA-F]{2}	Exactly a repetitions of x
x{a,b}	[0-9a-fA-F]{1,6}	a to b repetitions of x
	felt int	Either one or another
[]	[bB]	Any of the characters listed
[-]	[a-z]	Any of the characters in the range
~[]	~[bB]	Any characters, except those listed
~"string" ~"\n" , ~"/"		Any characters, except this sequence
~CAPITAL_CASE ~EOL		Any characters, except sequences matching the lexer token
()	" , " parameter	Group items
/ text		text
/ ITEM / except IMPL_ITEM/		Human words supplementation

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