

Table 1: Tokens in Go (As specified by the "Lexical Elements" section in Go spec)

Token	Token Name	Token Class	Informal Description	Formal Description (regex)	Example(s)
Identifier	tok_id	identifier	at least one char, alphanumeric with <code>_</code>	<code>[a-zA-Z][_a-zA-Z0-9]*</code>	<code>i</code> , <code>myId</code> , <code>_abc</code> , <code>_var1</code>
Package Identifier	tok_pid	identifier	at least one char, alphanumeric, cannot be blank identifier	<code>[a-zA-Z][_a-zA-Z0-9]+</code>	<code>main</code> , <code>_abc</code>
<code>(</code>	tok_lparen	punctuation	-	<code>\(</code>	-
<code>)</code>	tok_rparen	punctuation	-	<code>\)</code>	-
<code>{</code>	tok_lcurly	punctuation	-	<code>\{</code>	-
<code>}</code>	tok_rcurly	punctuation	-	<code>\}</code>	-
<code>;</code>	tok_semicolon	punctuation	-	<code>\;</code>	-
<code>main</code>	tok_main	reserved keyword	-	<code>"main"</code>	-
Package Declaration	tok_package	reserved keyword	-	<code>"package"</code>	-
Function Declaration	tok_func	reserved keyword	-	<code>"func"</code>	-
EOF	tok_eof	reserved	-	<code>"\Z"</code>	-
Import	tok_imp	reserved keyword	-	<code>"import"</code>	-
Variable declaration	tok_var	reserved keyword	-	<code>"var"</code>	-
Line Comment	tok_comment	Comment	<code>//</code> followed by anything until the end of line	<code>//(\s)*\$</code>	-