

Quick view

GLINT is an Open Source syntactic analyzer. The most common use is for implementing a calculator into existing applications.

GLINT is distributed under Apache License 2.0. In short, it lets you to do anything without warranty, with the proper attributions. The license does not require source code to be available if distributed in binary.

GLINT is written in C and the parser expects expressions that follows C syntax and conventions, with some exceptions.

This is an example of code to implement the parser.

```
#include <stdio.h>
#include "gparser/gparser.h"

int main( int argc, char* argv[] )
{
    char command[] = "1+2+3";

    /* First we need to create a parser */
    gParser* parser = gParser_create();

    /* Solves the string using the parser */
    int status = gParser_command( parser, command );

    if (status == GPARSE_OK){
        /* The solution is stored in ans */
        /* To directly obtain the value as a double */
        double v = gVariable_getasDouble( parser->ans );
        printf( "    %g", v );
    }
    else{ /* (status == GPARSE_ERROR) There is an error */
        printf( "%s", command );

        /* Shows the error message.*/
        printf( "\n%s. ", parser->err_msg );

        /* Indicates the token that has triggered the error. */
        printf( "char: %i ", parser->err_column );
    }

    /* Finally release memory resources */
    gParser_dispose( parser );

    getchar();
}
```

