

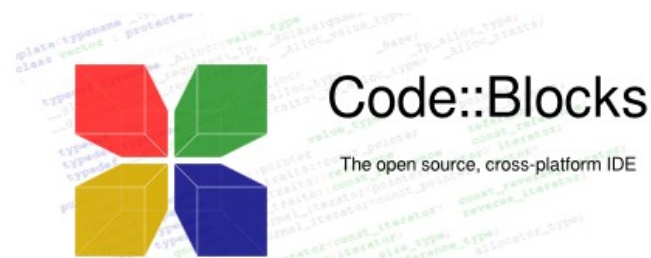


Management

Projects Files FSymbols

Workspace

Start here



Release 20.03 rev 11983 (2020-03-12 18:24:30) gcc 8.1.0 Windows/unicode - 64 bit



Create a new project



Open an existing project



Tip of the Day



Visit the Code::Blocks forums

Report a bug or request a new feature

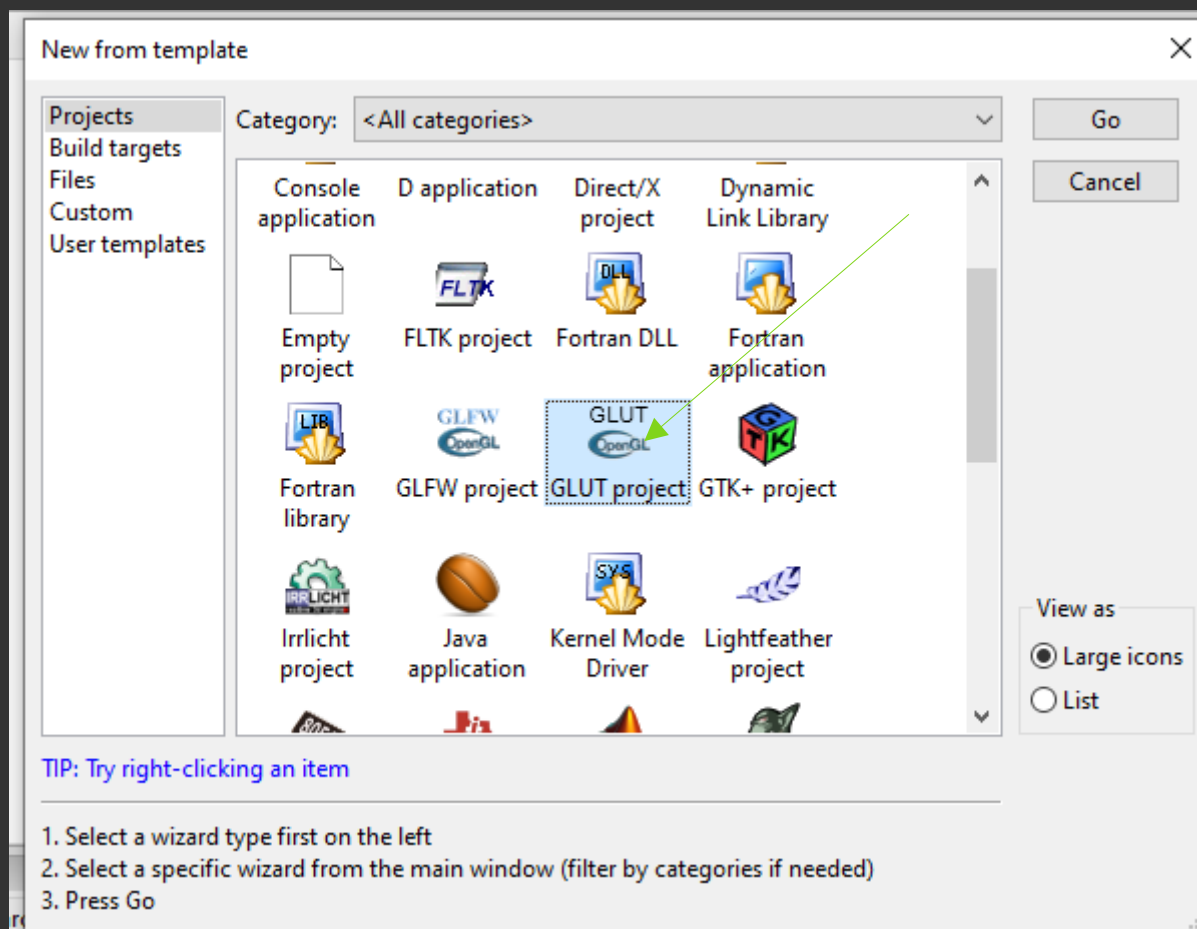
Logs & others

Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Cscope Debugger Doxy

File	Line	Message
------	------	---------

default







Welcome to the new GLUT project wizard!

This wizard will guide you to create a new project using the GLUT OpenGL extensions.

When you 're ready to proceed, please click "Next"...

☐ Skip this page next time

< Back

Next >

Cancel

GLUT project



Please select the folder where you want the new project to be created as well as its title.

Project title:

NANO2023

Folder to create project in:

C:\Users\brito\Desktop\C\



Project filename:

NANO2023.cbp

Resulting filename:

C:\Users\brito\Desktop\C\NANO2023\NANO2023.cbp

< Back

Next >

Cancel

Nome e local



Please select the location of GLUT on your computer.
This is the top-level folder where GLUT was installed (unpacked).
To help you, this folder must contain the subfolders
"include" and "lib".

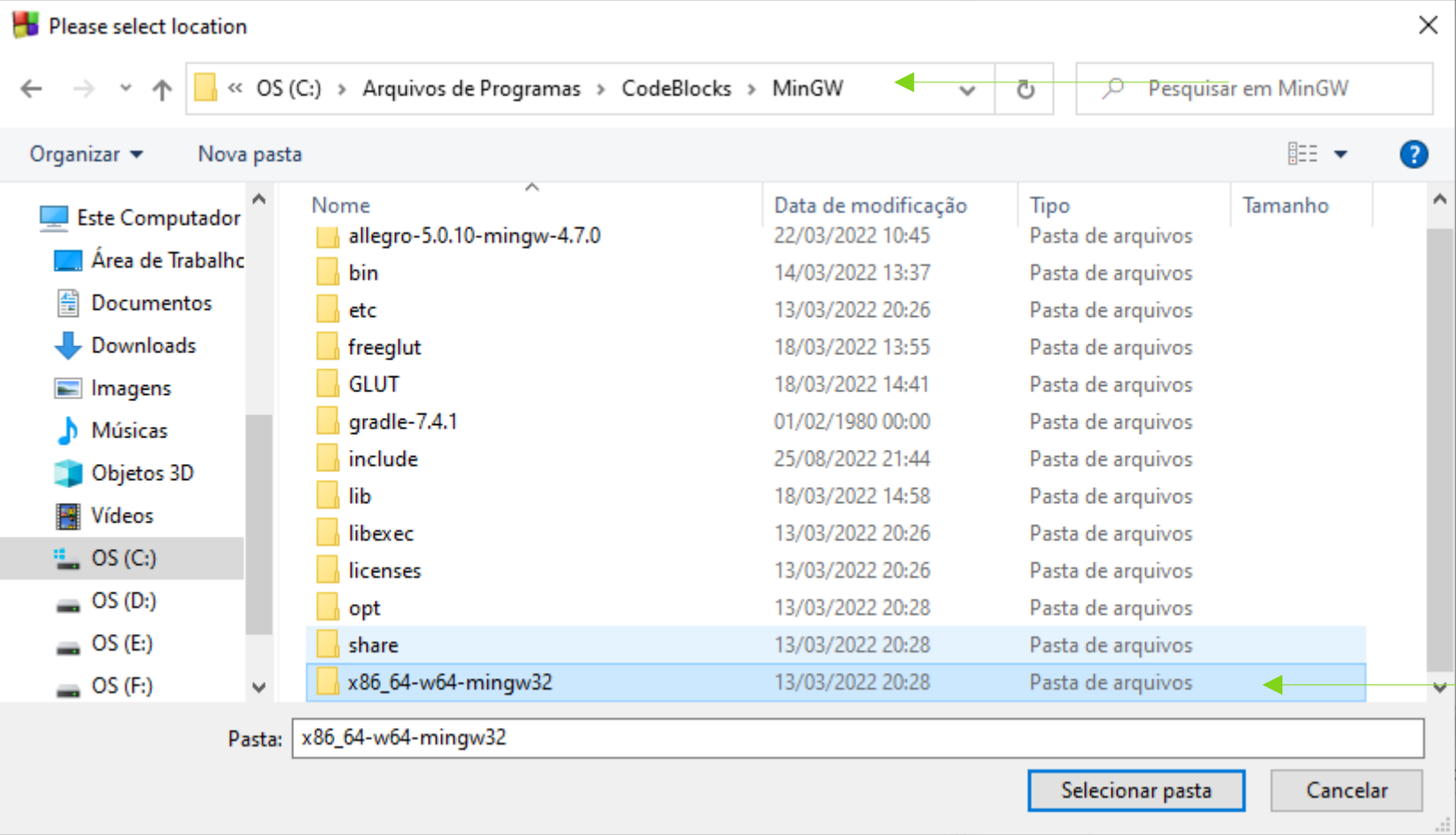
Please select GLUT's location:



< Back

Next >

Cancel





Please select the location of GLUT on your computer.
This is the top-level folder where GLUT was installed (unpacked).
To help you, this folder must contain the subfolders
"include" and "lib".

Please select GLUT's location:

C:\Program Files\CodeBlocks\MinGW\x86_64-w64-mingw



< Back

Next >

Cancel



Please select the compiler to use and which configurations you want enabled in your project.

Compiler:

GNU GCC Compiler

☒ Create "Debug" configuration: Debug

"Debug" options

Output dir.: bin\Debug\

Objects output dir.: obj\Debug\

☒ Create "Release" configuration: Release

"Release" options

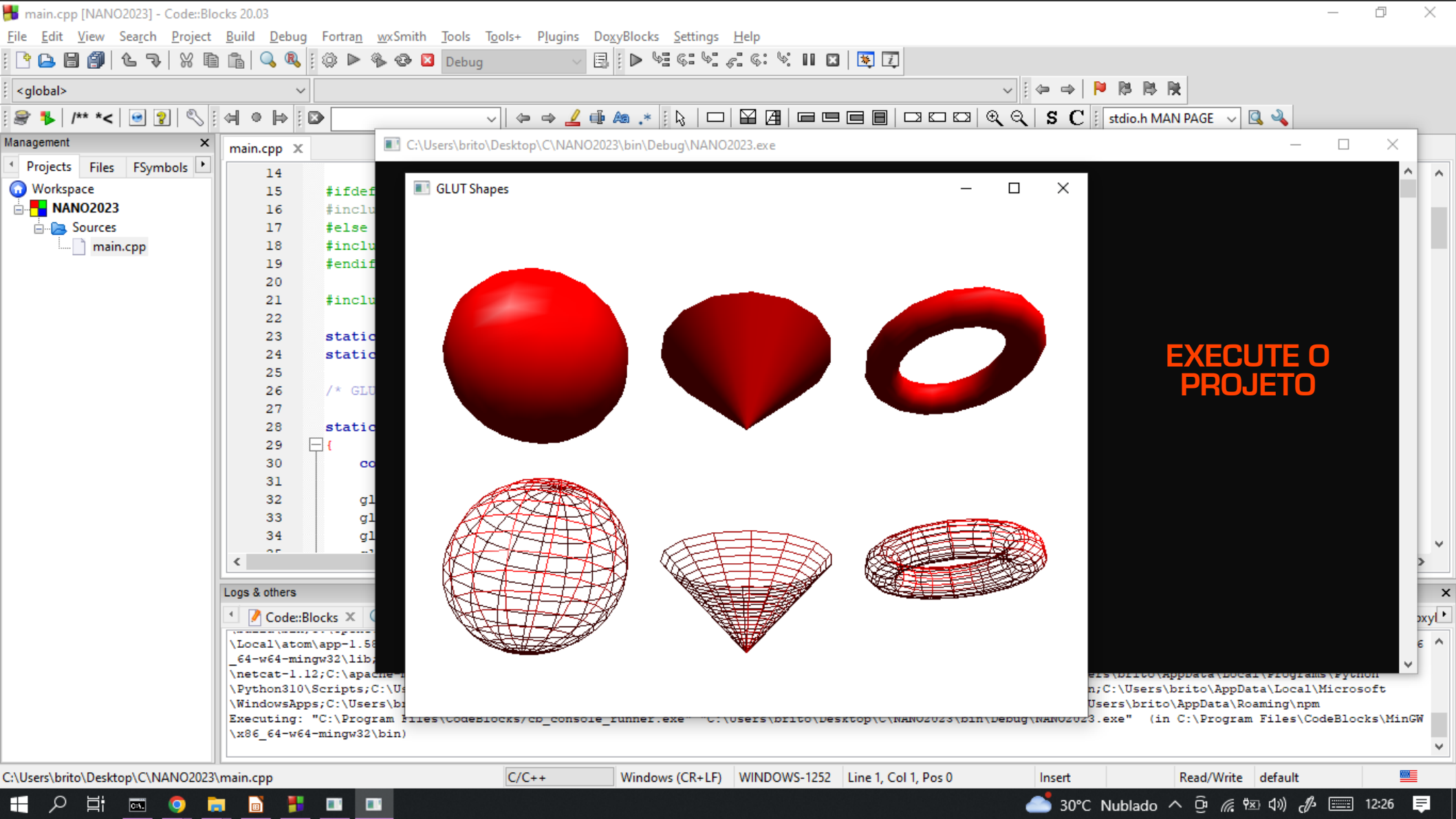
Output dir.: bin\Release\

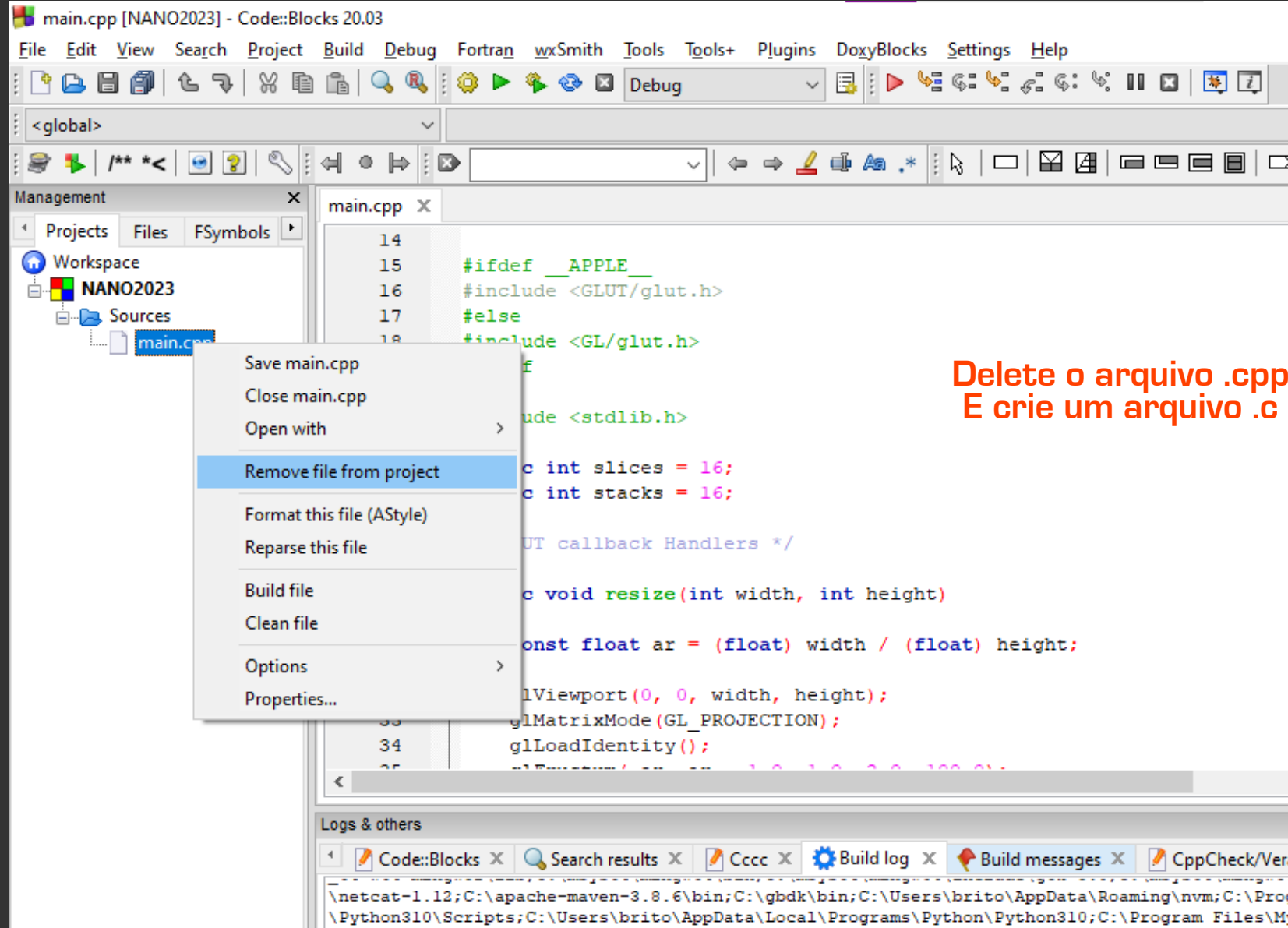
Objects output dir.: obj\Release\

< Back

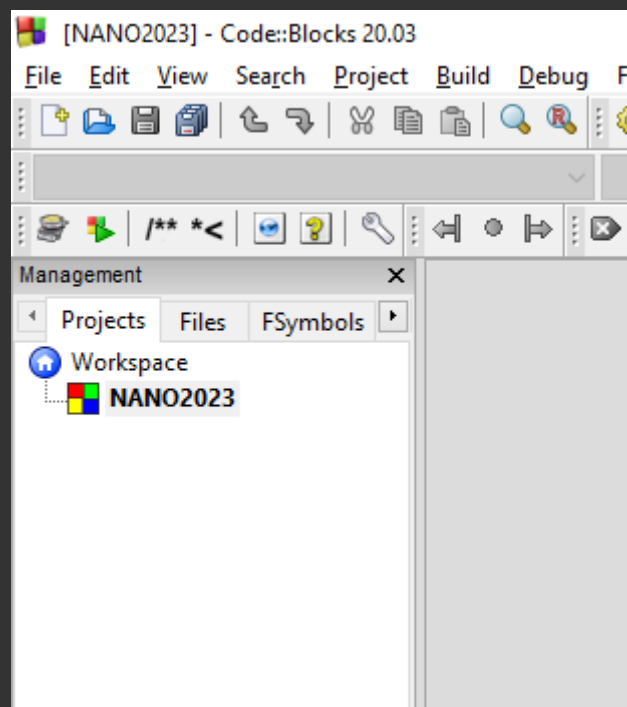
Finish

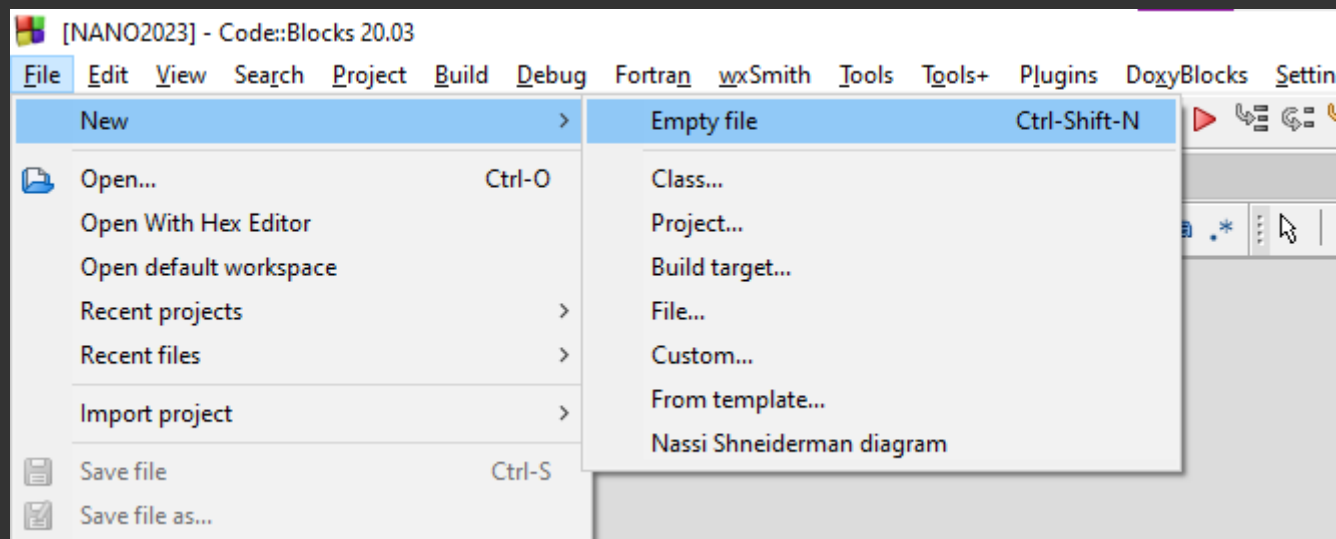
Cancel





Delete o arquivo .cpp
E crie um arquivo .c





Crie o arquivo main.c

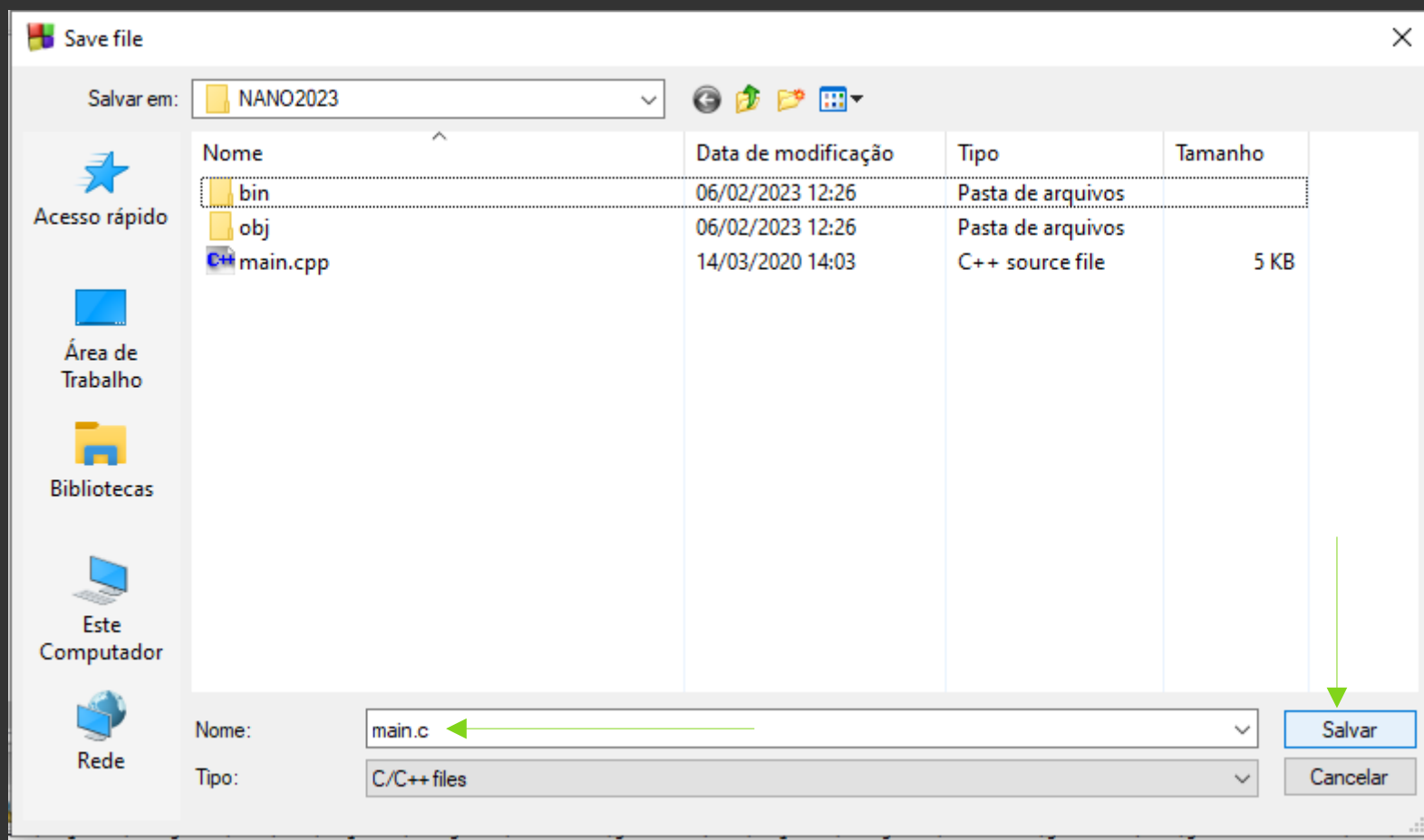
Add file to project

Do you want to add this new file in the active project (has to be saved first)?

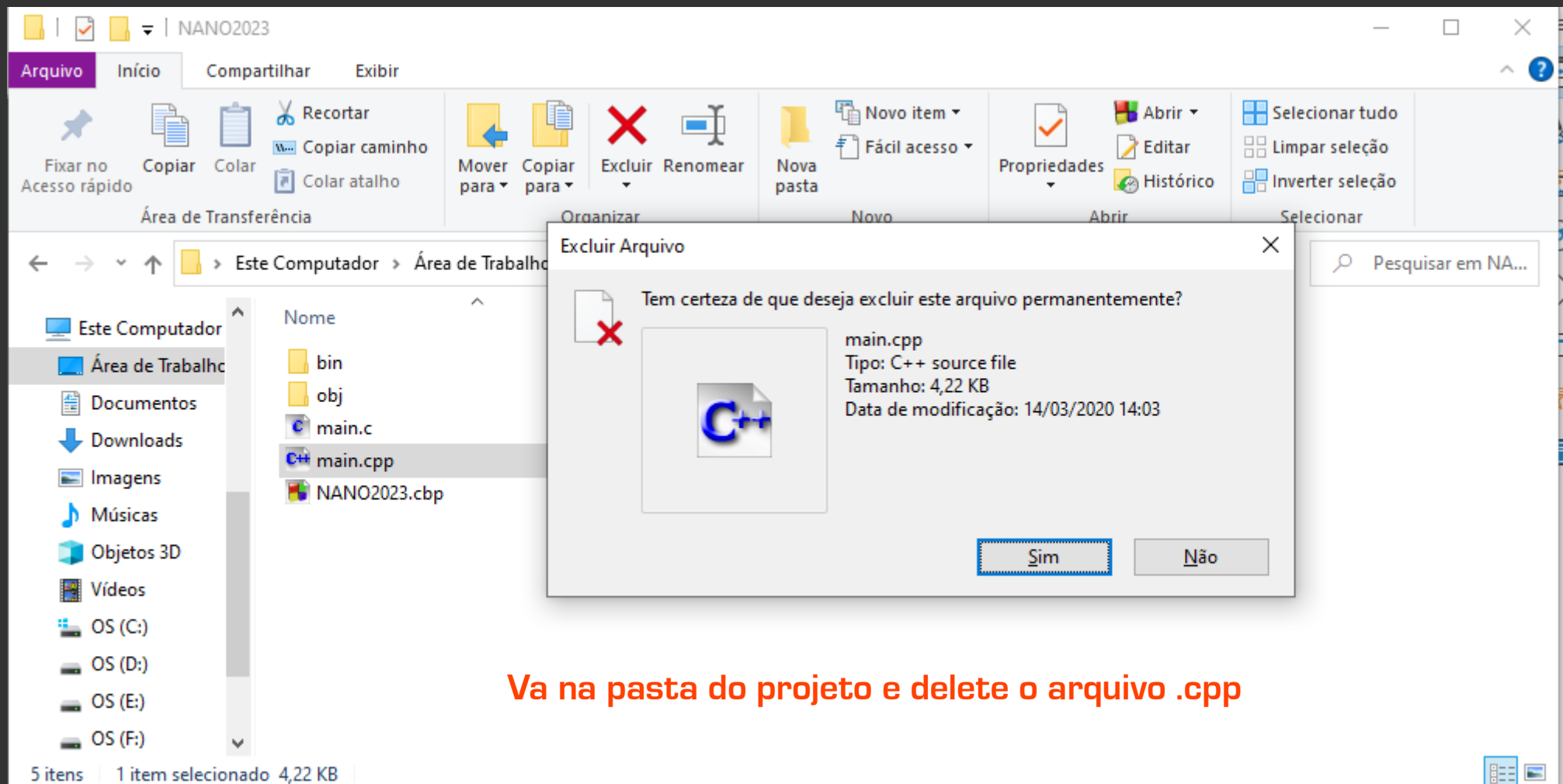
Sim

Não





Coloque o nome de main.c e salve



Va na pasta do projeto e delete o arquivo .cpp

Arquivo Início Compartilhar Exibir

Fixar no Acesso rápido Copiar Colar Recortar Copiar caminho Colar atalho Mover para Copiar para Excluir Renomear Nova pasta Novo item Fácil acesso Propriedades Abrir Histórico Selecionar tudo Limpar seleção Inverter seleção

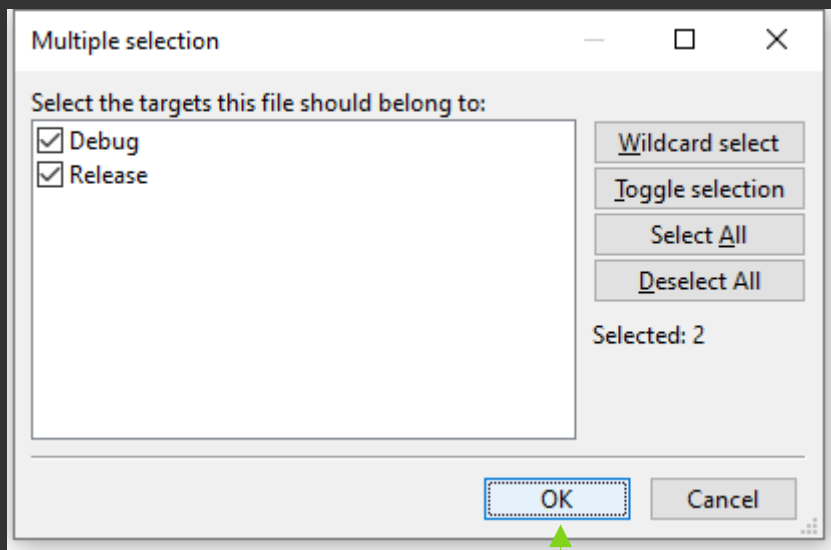
Área de Transferência Organizar Novo Abrir Selecionar

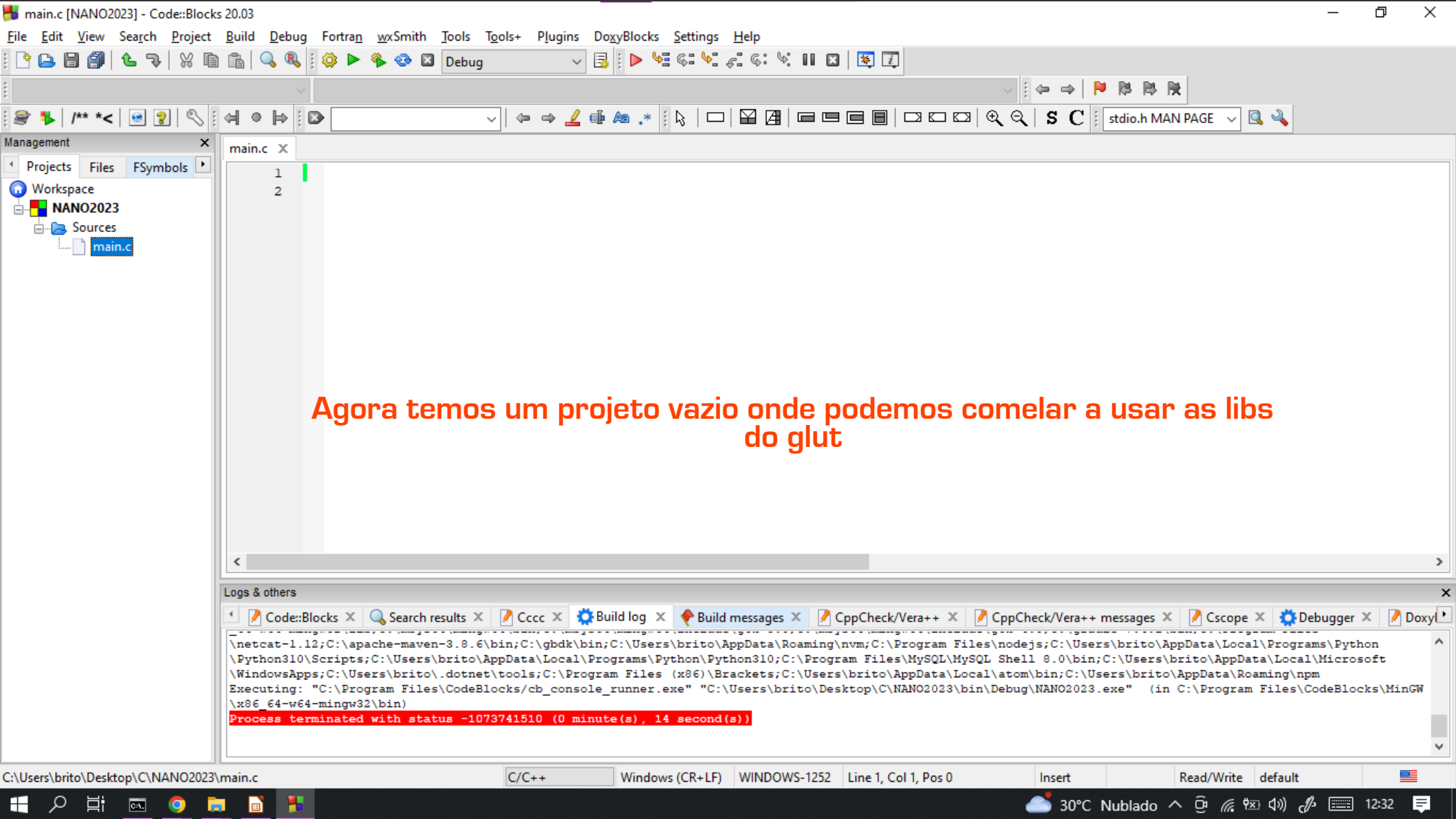
← → ↕ ↑ > Este Computador > Área de Trabalho > C > NANO2023

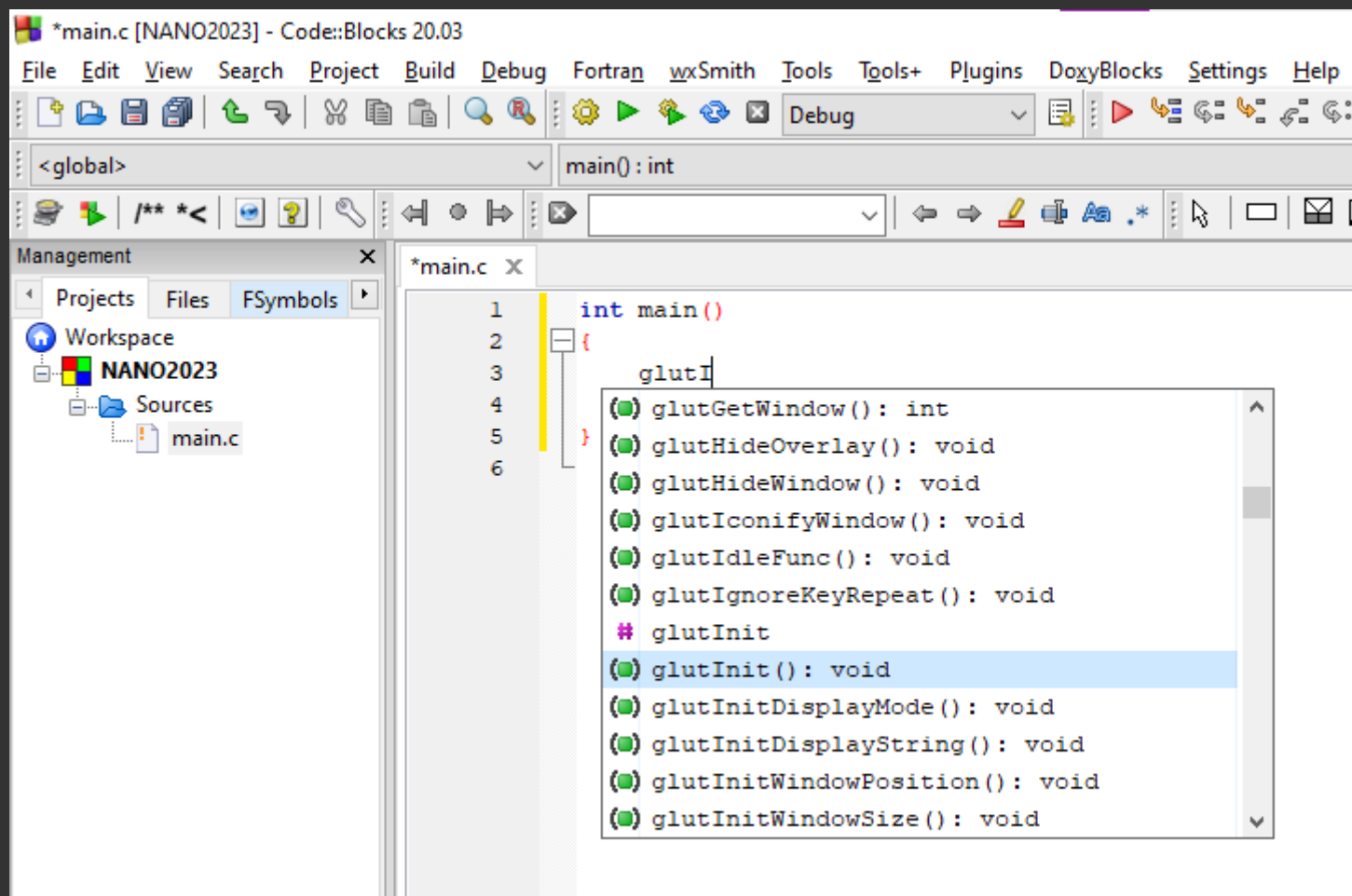
Este Computador Área de Trabalho Documentos Downloads Imagens Músicas Objetos 3D Vídeos OS (C:) OS (D:) OS (E:) OS (F:)

Nome	Data de modificação	Tipo	Tamanho
bin	06/02/2023 12:26	Pasta de arquivos	
obj	06/02/2023 12:26	Pasta de arquivos	
main.c	06/02/2023 12:28	C source file	1 KB
NANO2023.cbp	06/02/2023 12:26	project file	2 KB

4 itens

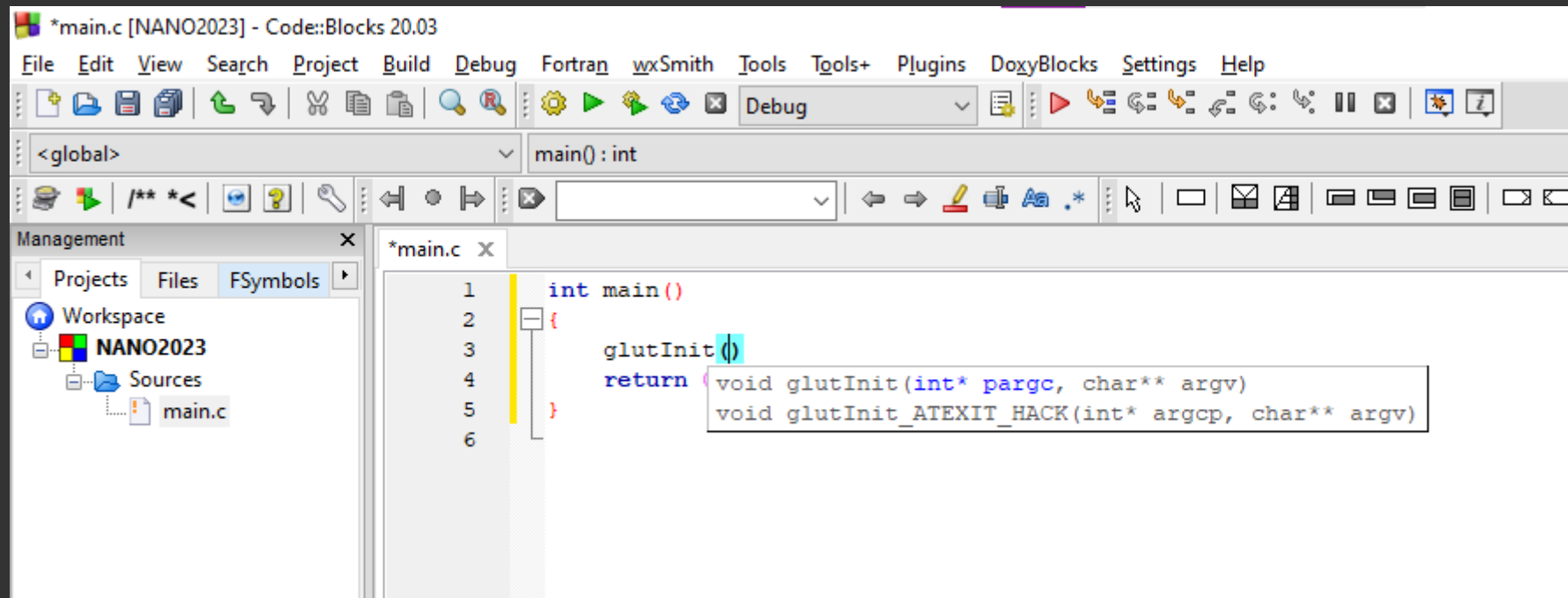




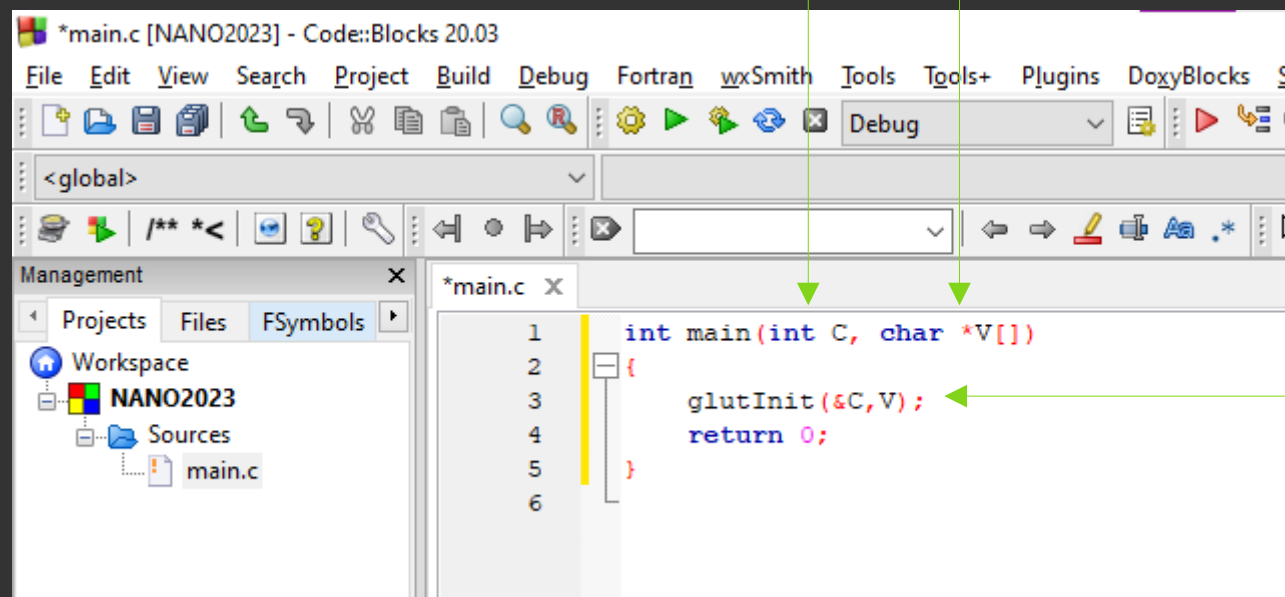


Quando digitamos glut + primeira letra da função as opções aparecem

Todas os nomes das funções começam com glut



Deixando o ponteiro dentro dos parentesis da função aparecem os parametros que devemos passar para a função funcionar e seu tipo de retorno
Nesse caso temos que passar um ponteiro pra int, e um ponteiro pra ponteiro pra char



Passamos os parametros necessarios a função

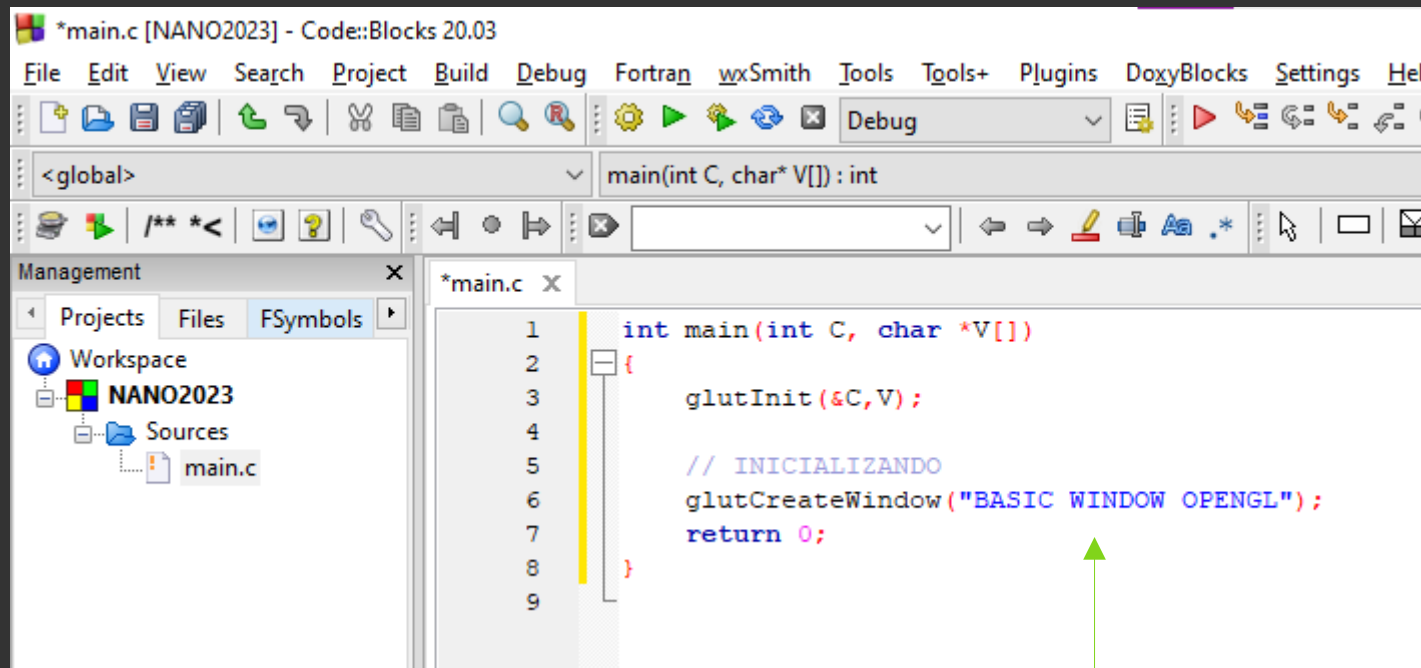
The screenshot shows the Code::Blocks IDE interface. The title bar reads '*main.c [NANO2023] - Code::Blocks 20.03'. The menu bar includes File, Edit, View, Search, Project, Build, Debug, Fortran, wxSmith, Tools, Tools+, Plugins, DoxyBlocks, Settings, and Help. The toolbar contains various icons for file operations, execution, and editing. The 'Project' dropdown shows '<global>' and the 'Function List' dropdown shows 'main(int C, char* V[]) : int'. The 'Management' panel on the left shows a tree view with 'Workspace', 'NANO2023', 'Sources', and 'main.c'. The main editor window displays the following C code:

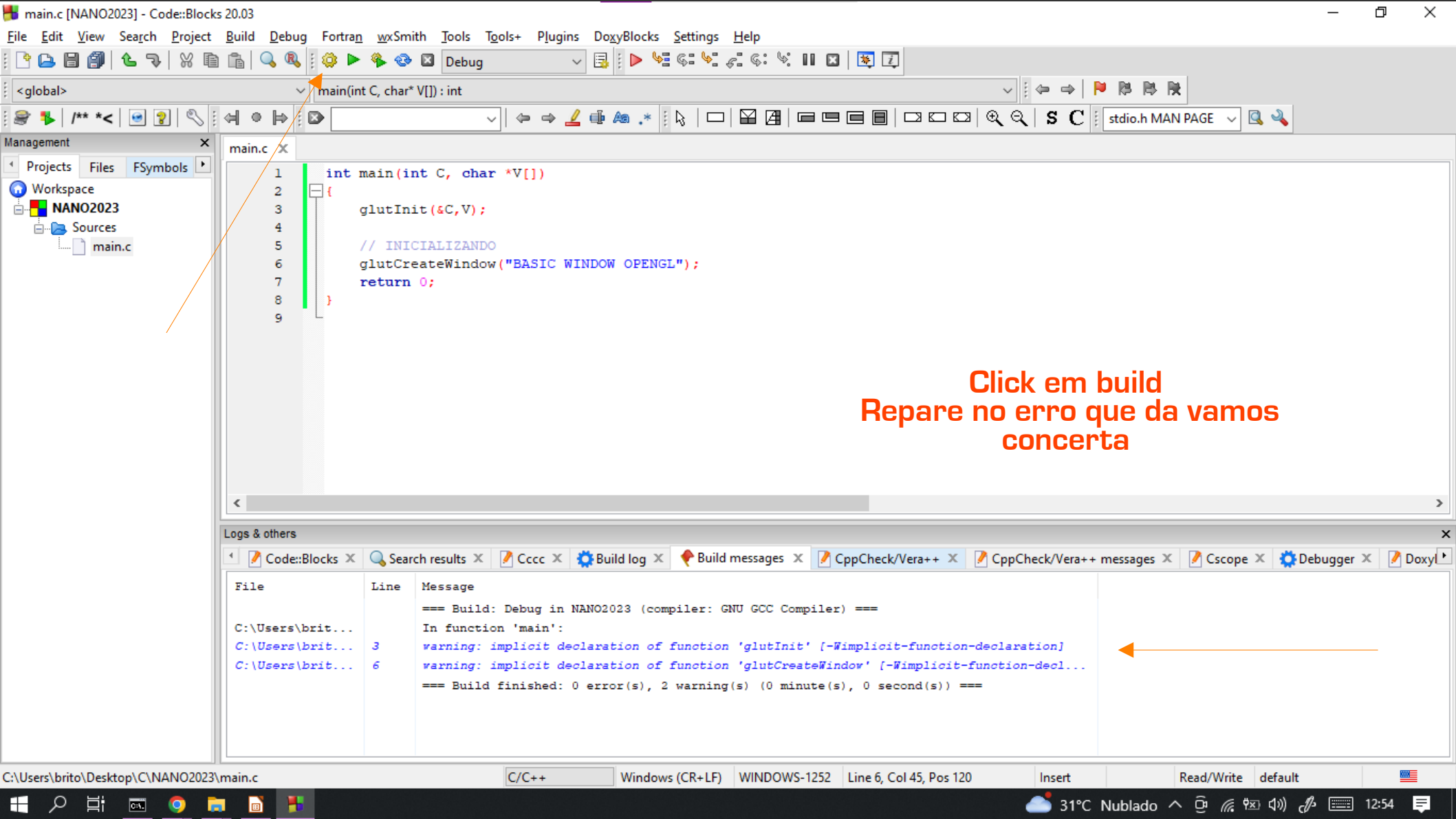
```
1  int main(int C, char *V[])
2  {
3      glutInit(&C,V);
4
5      // INICIALIZANDO
6      glutCreateWindow()
7      return 0;
8  }
9
```

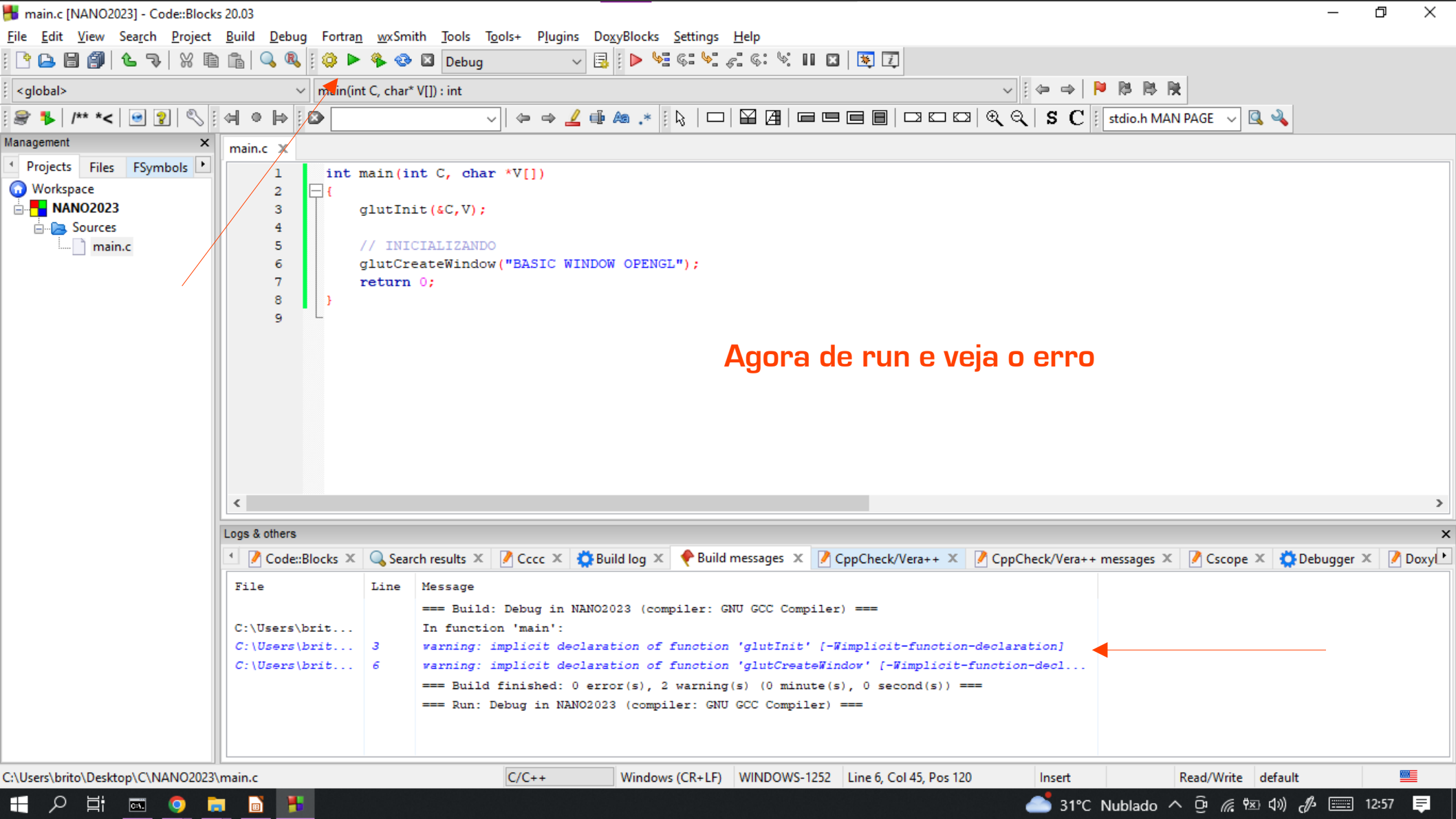
A tooltip is visible over the empty parentheses of the `glutCreateWindow()` call on line 6, showing the function signatures:

```
int glutCreateWindow(const char* title)
int glutCreateWindow_ATEXIT_HACK(const char* title)
```

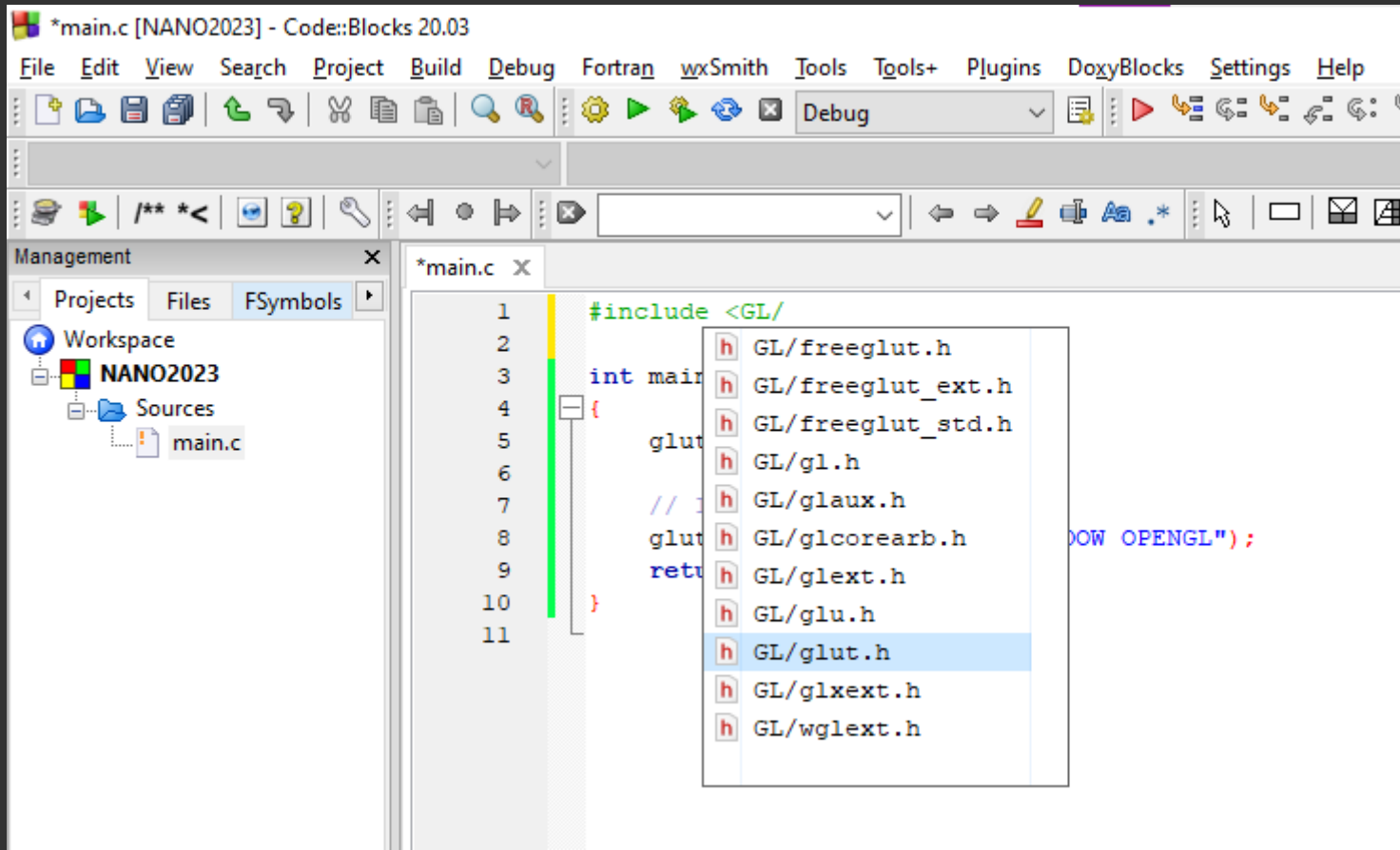
Olhando os parametros que devem ser passados a função temos
Um `const char* title` que retorna um `int`
Nesse caso um endereço de memória de algum texto que vamos escrever

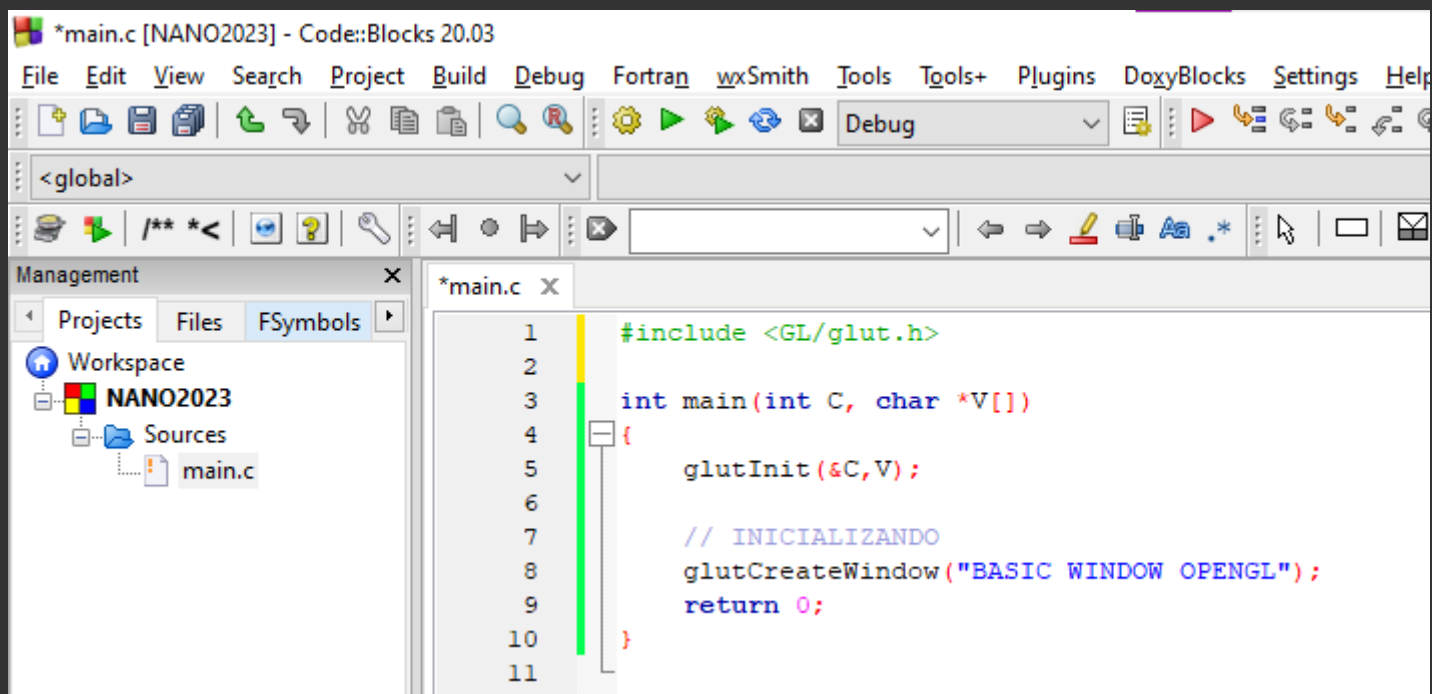


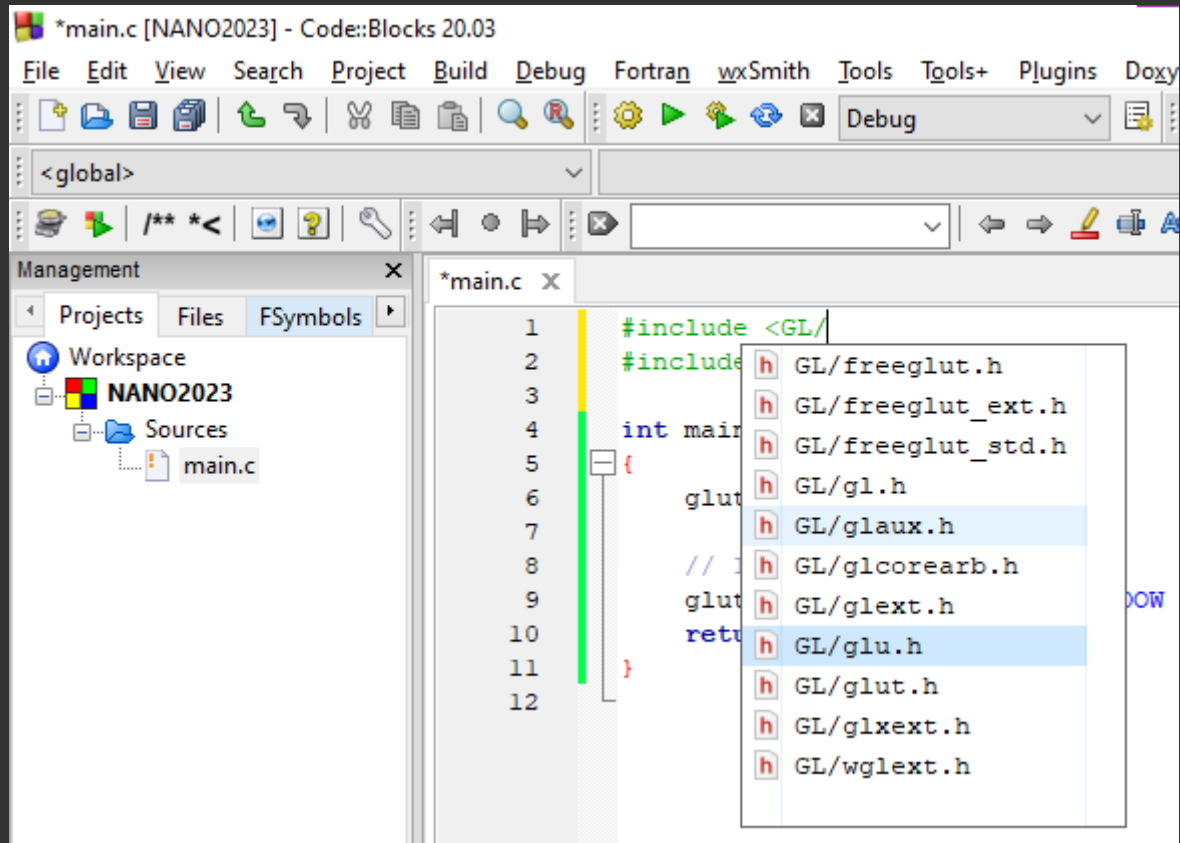


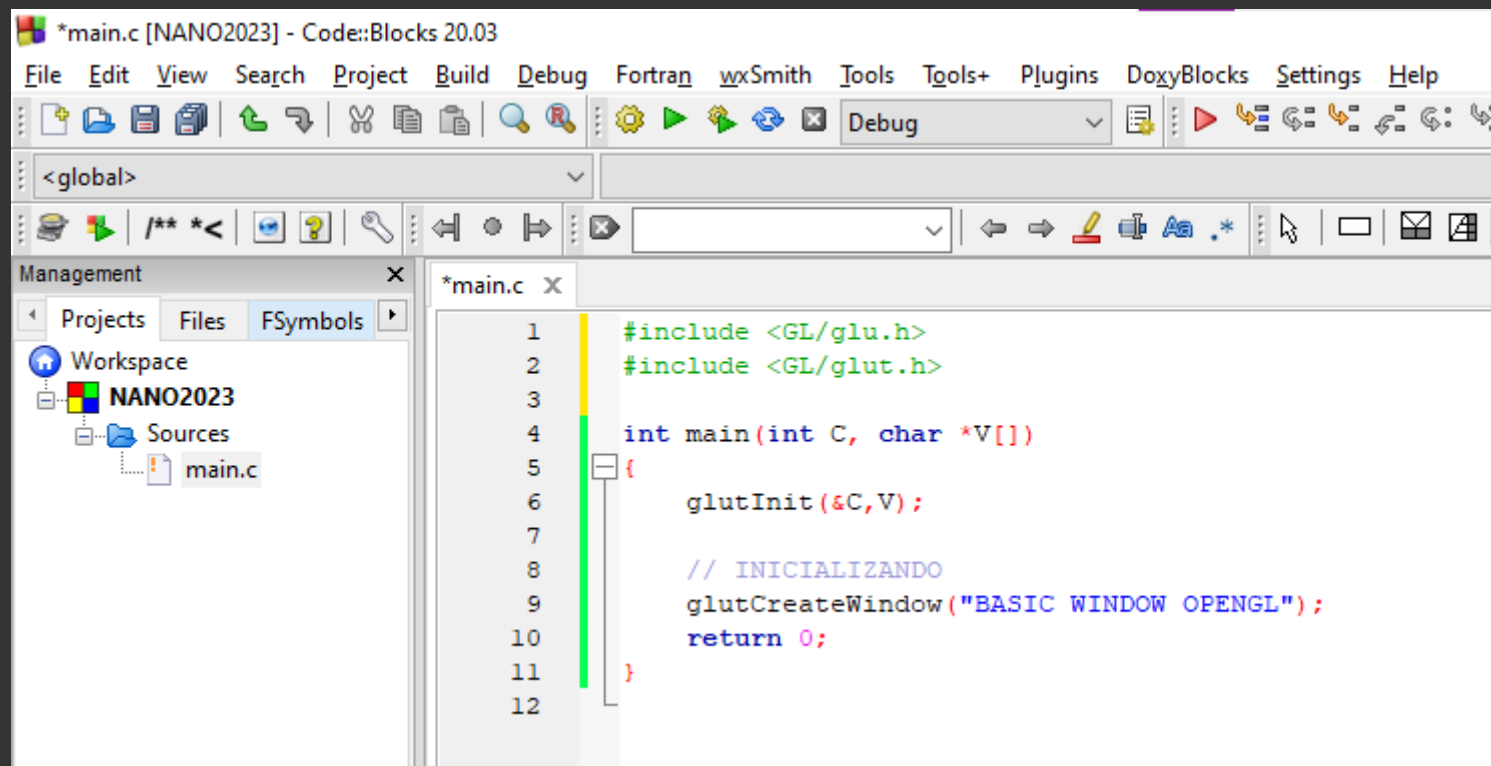


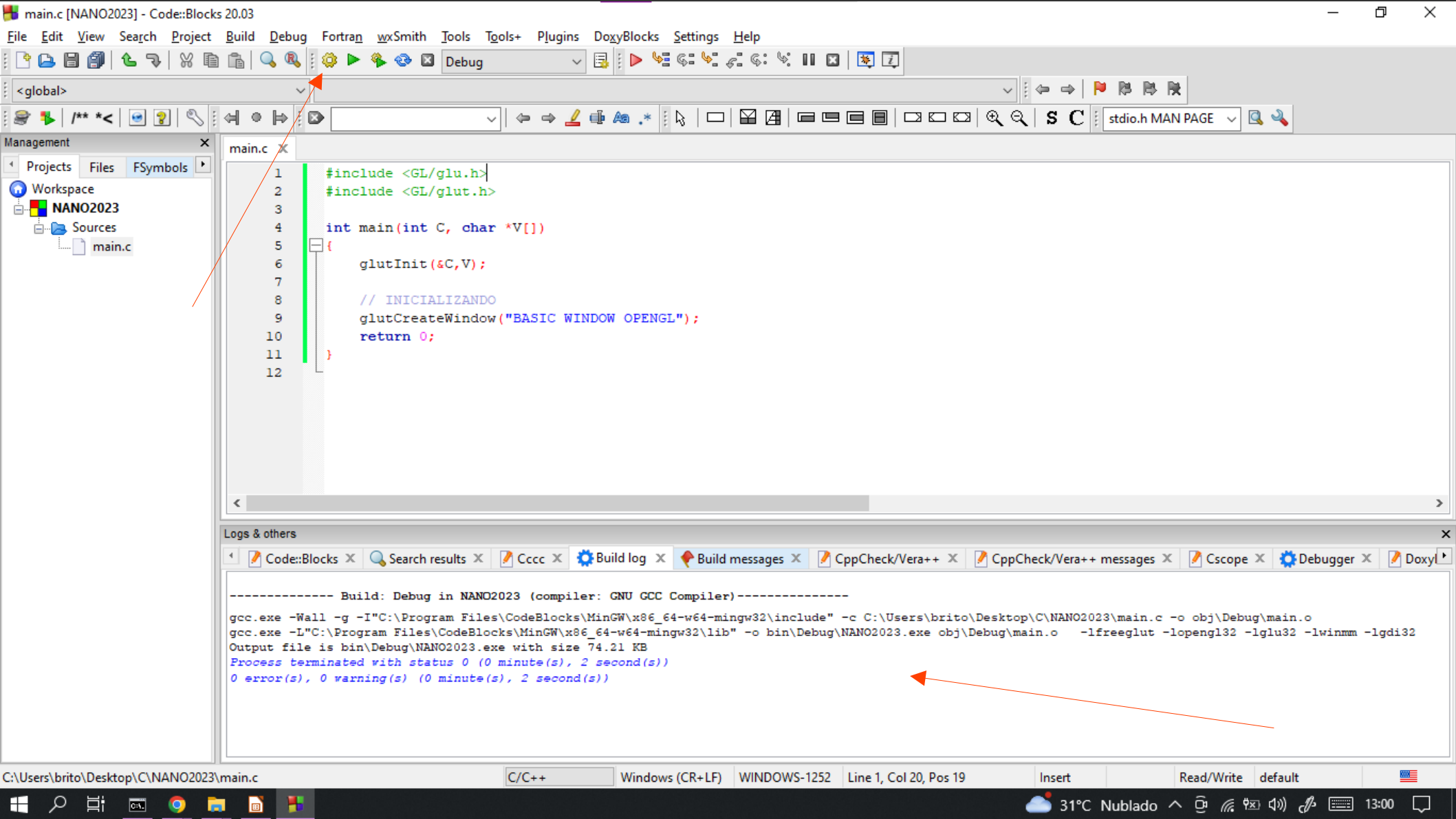
Agora de run e veja o erro

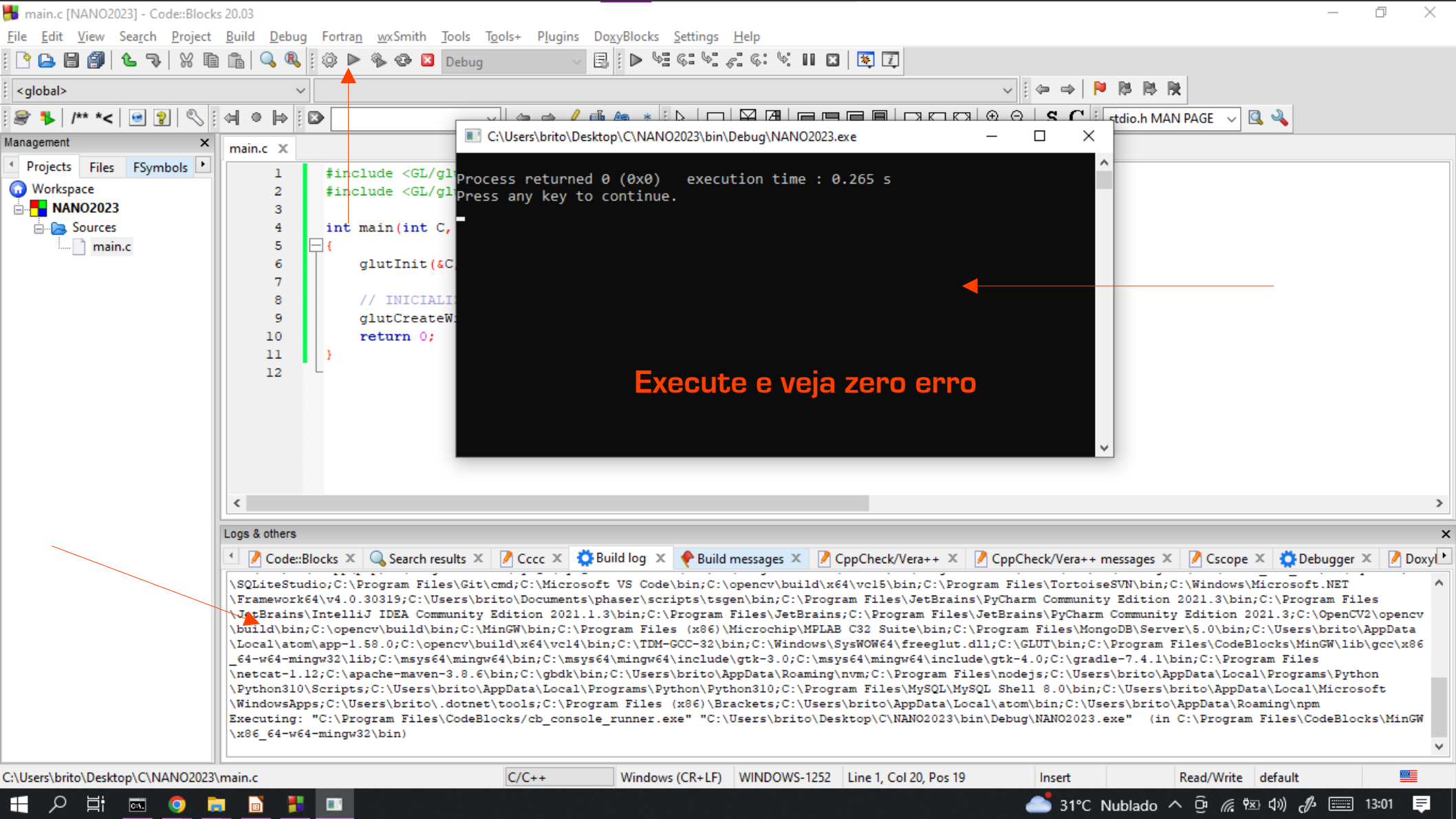














<global>

main(int C, char* V[]): int



Management

Projects Files FSymbols

Workspace

NANO2023

Sources

main.c

*main.c X

```
1  #include <GL/glu.h>
2  #include <GL/glut.h>
3
4  int main(int C, char *V[])
5  {
6      glutInit(&C,V);
7
8      // INICIALIZANDO
9      glutCreateWindow("BASIC WINDOW OPENGL");
10
11      glutM
12      (M) glutInitWindowSize(): void
13      (M) glutInit_ATEXIT_HACK(): void
14      (M) glutJoystickFunc(): void
```

Logs & others

Code::Blocks

```
\JetBrains\Inte
\build\bin;C:\d
\Local\atom\app
_64-w64-mingw32\lib;C:\msys64\mingw64\bin;C:\msys64\mingw64\include\gtk-3.0;C:
\netcat-1.12;C:\apache-maven-3.8.6\bin;C:\gdbk\bin;C:\Users\brito\AppData\Roam
\Python310\Scripts;C:\Users\brito\AppData\Local\Programs\Python\Python310;C:\P
```

*main.c [NANO2023] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

<global> main(int C, char* V[]): int

Management

Projects Files FSymbols

Workspace

NANO2023

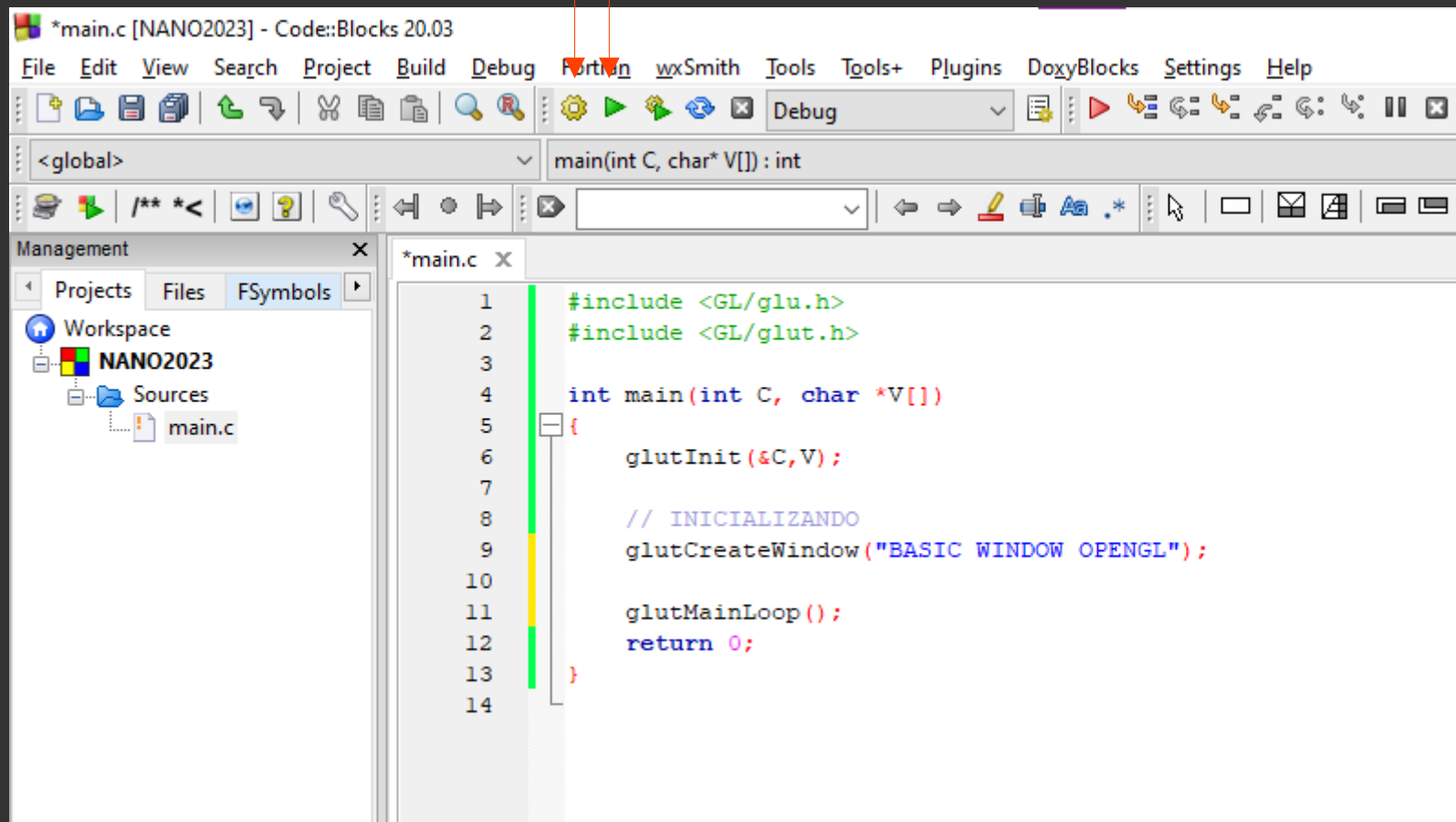
Sources

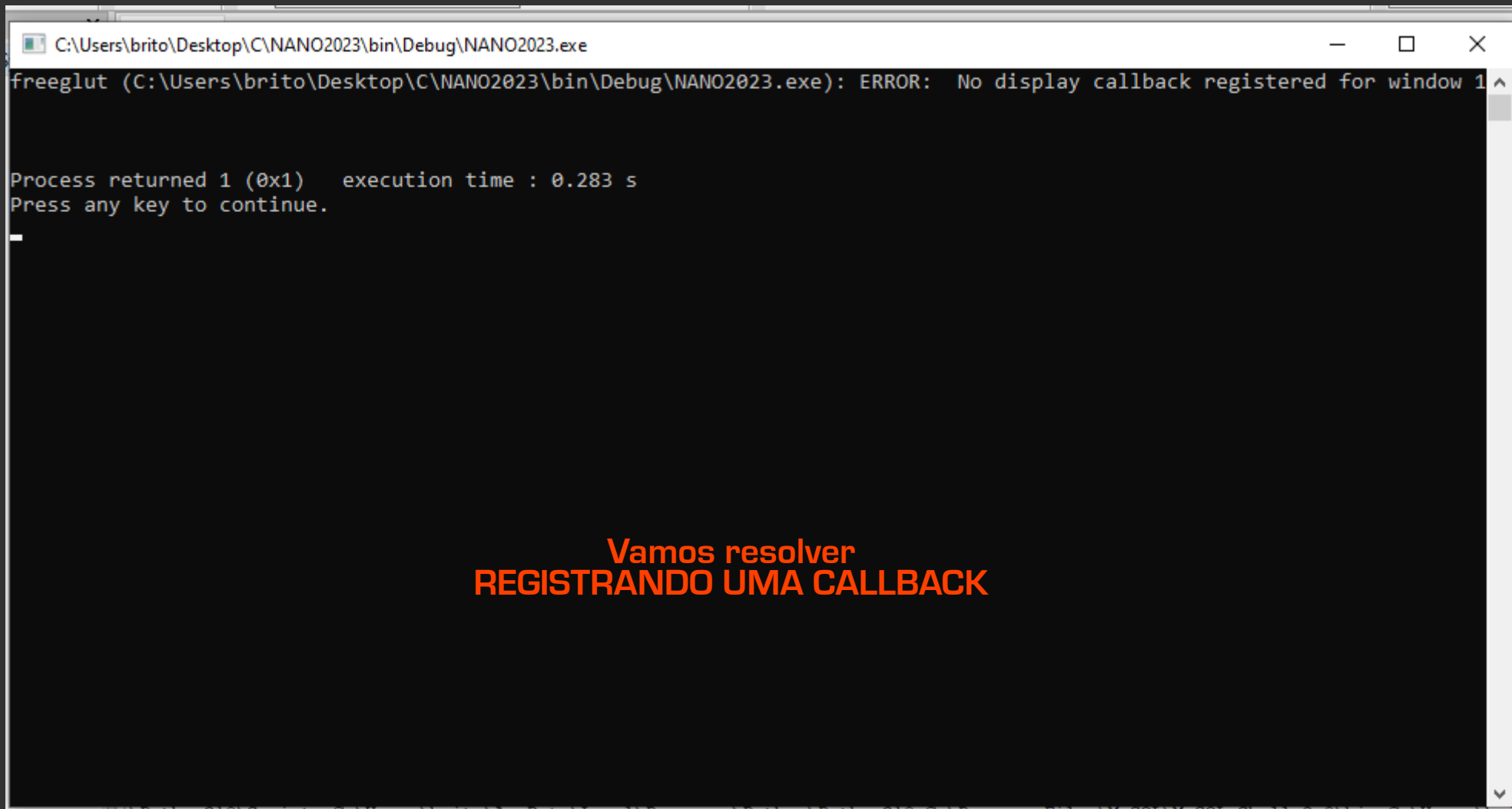
main.c

```
1 #include <GL/glu.h>
2 #include <GL/glut.h>
3
4 int main(int C, char *V[])
5 {
6     glutInit(&C,V);
7
8     // INICIALIZANDO
9     glutCreateWindow("BASIC WINDOW OPENGL");
10
11     glutMainLoop()
12     return 0;
13 }
14
```

void glutMainLoop(void)

Função que não retorna nada e recebe nada





A screenshot of a Windows command prompt window. The title bar at the top shows the file path: `C:\Users\brito\Desktop\C\NANO2023\bin\Debug\NANO2023.exe`. The window contains the following text:

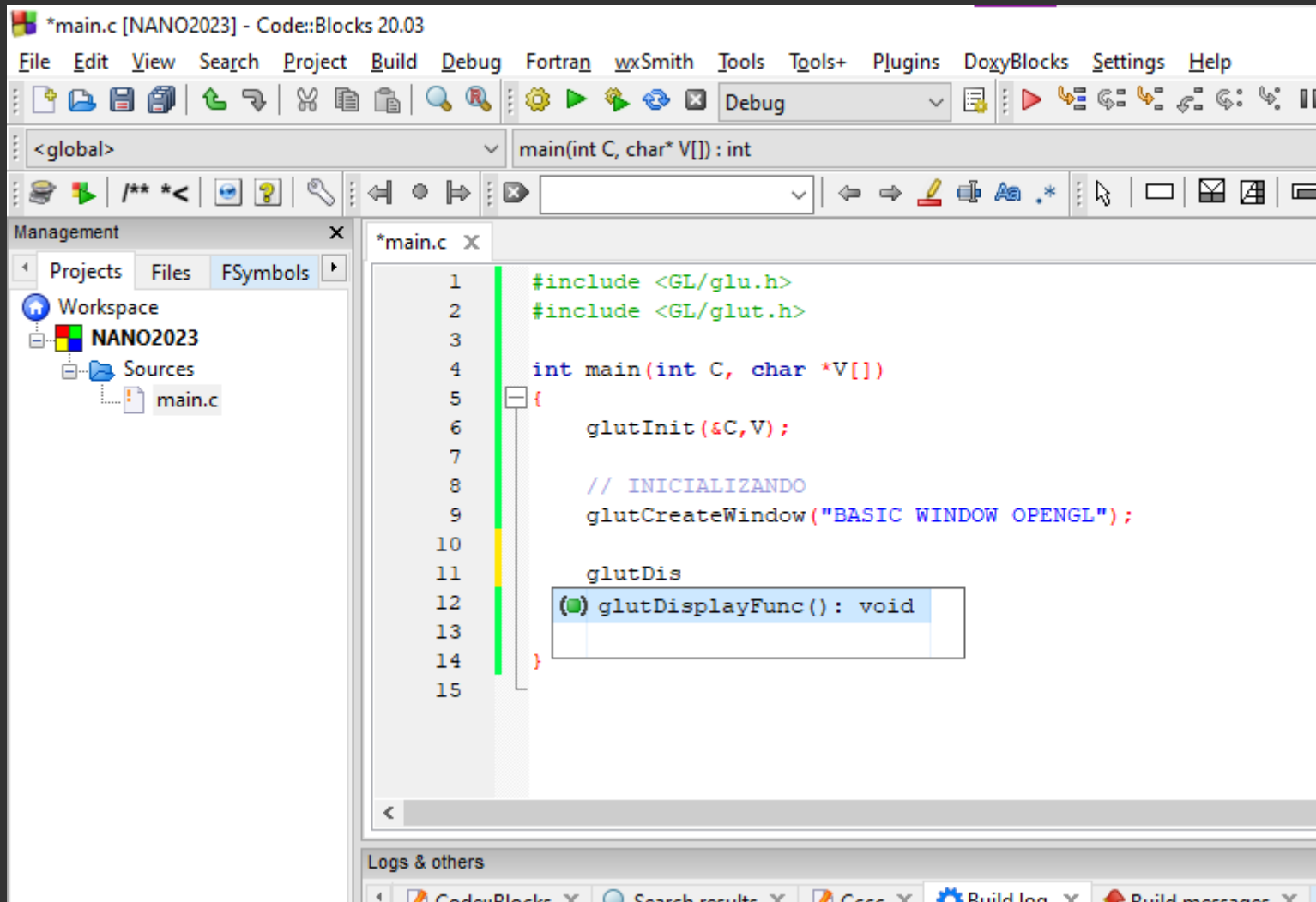
```
freeglut (C:\Users\brito\Desktop\C\NANO2023\bin\Debug\NANO2023.exe): ERROR: No display callback registered for window 1 ^
```

Below the error message, the text reads:

```
Process returned 1 (0x1)   execution time : 0.283 s  
Press any key to continue.
```

A single underscore character (`_`) is visible on the line following the prompt instructions.

**Vamos resolver
REGISTRANDO UMA CALLBACK**



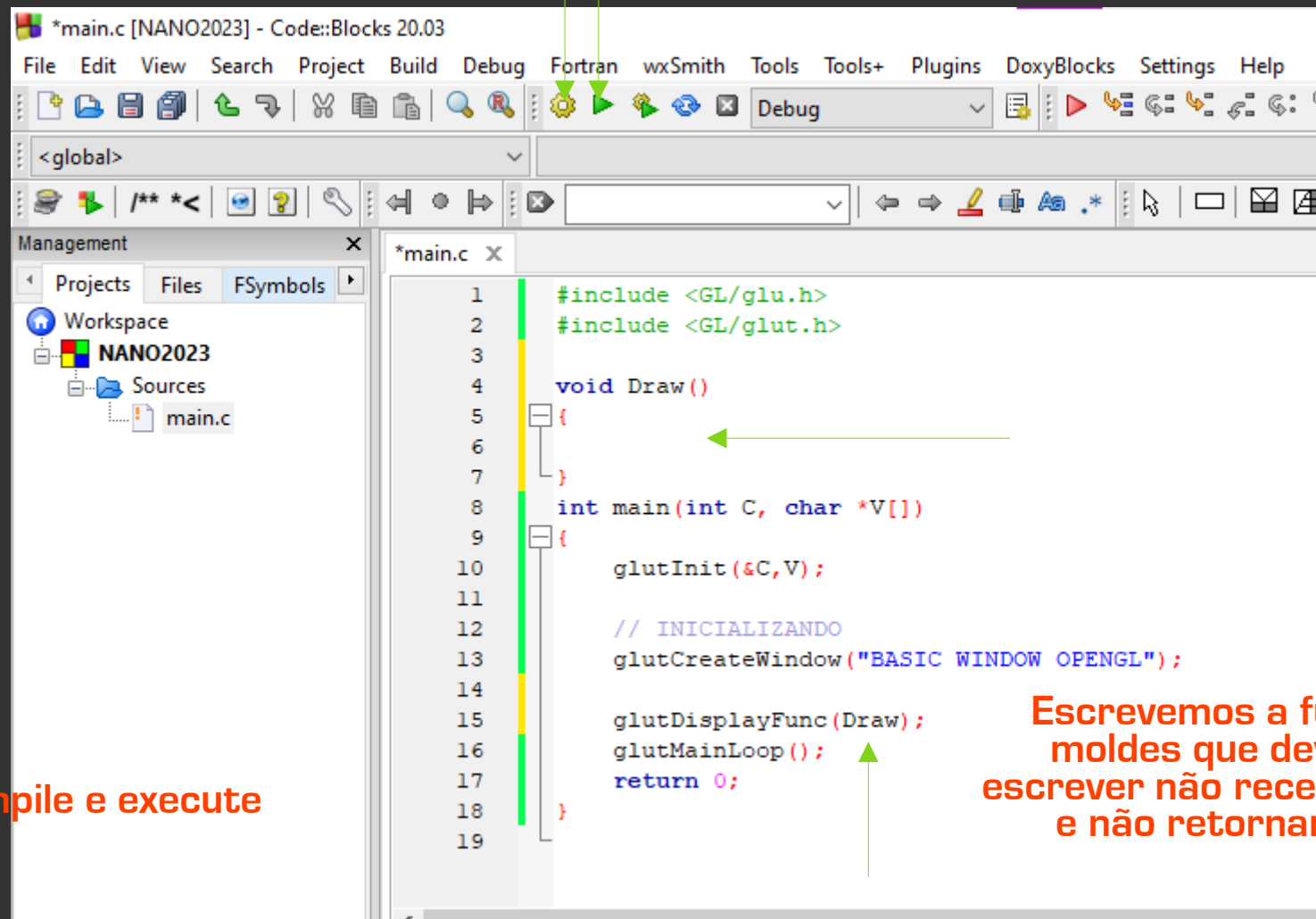

```
*main.c [NANO2023] - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global> main(int C, char* V[]) : int
Management
  Projects Files FSymbols
  Workspace
  NANO2023
  Sources
  main.c

1  #include <GL/glu.h>
2  #include <GL/glut.h>
3
4  int main(int C, char *V[])
5  {
6      glutInit(&C,V);
7
8      // INICIALIZANDO
9      glutCreateWindow("BASIC WINDOW OPENGL");
10
11     glutDisplayFunc()
12     glutMainLoop(); void glutDisplayFunc(void(* callback) (void))
13     return 0;
14 }
15
```

Retorna nada e recebe uma função de callback que é um ponteiro void
Ponteiros voids assumem qualquer tipo primitivo
Note que toda essa função é apenas um parametro

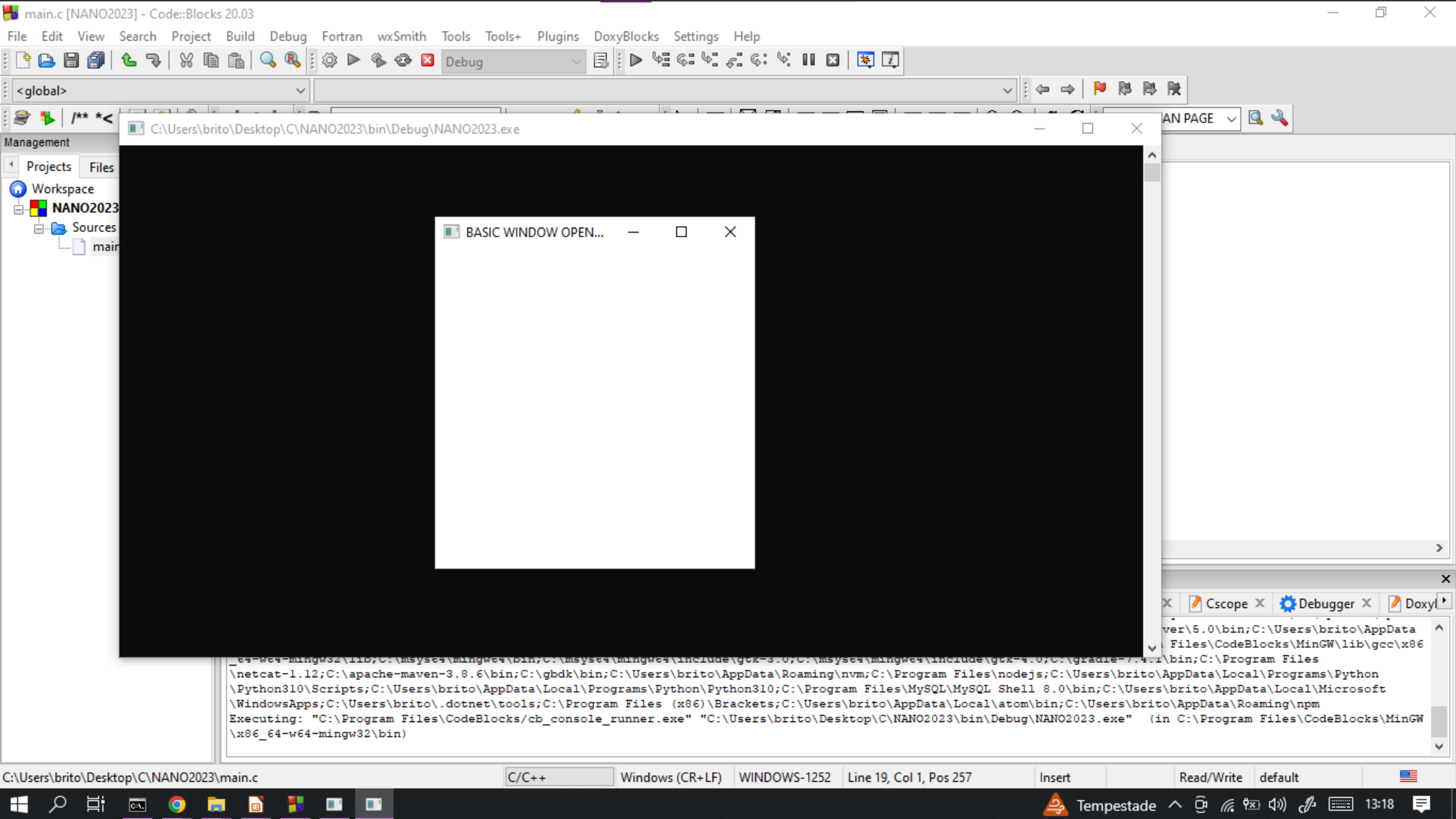
```
*main.c [NANO2023] - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global>
Management
  Projects Files FSymbols
  Workspace
  NANO2023
  Sources
  main.c
1  #include <GL/glu.h>
2  #include <GL/glut.h>
3
4  int main(int C, char *V[])
5  {
6      glutInit(&C,V);
7
8      // INICIALIZANDO
9      glutCreateWindow("BASIC WINDOW OPENGL");
10
11     glutDisplayFunc(Draw);
12     glutMainLoop();
13     return 0;
14 }
15
```

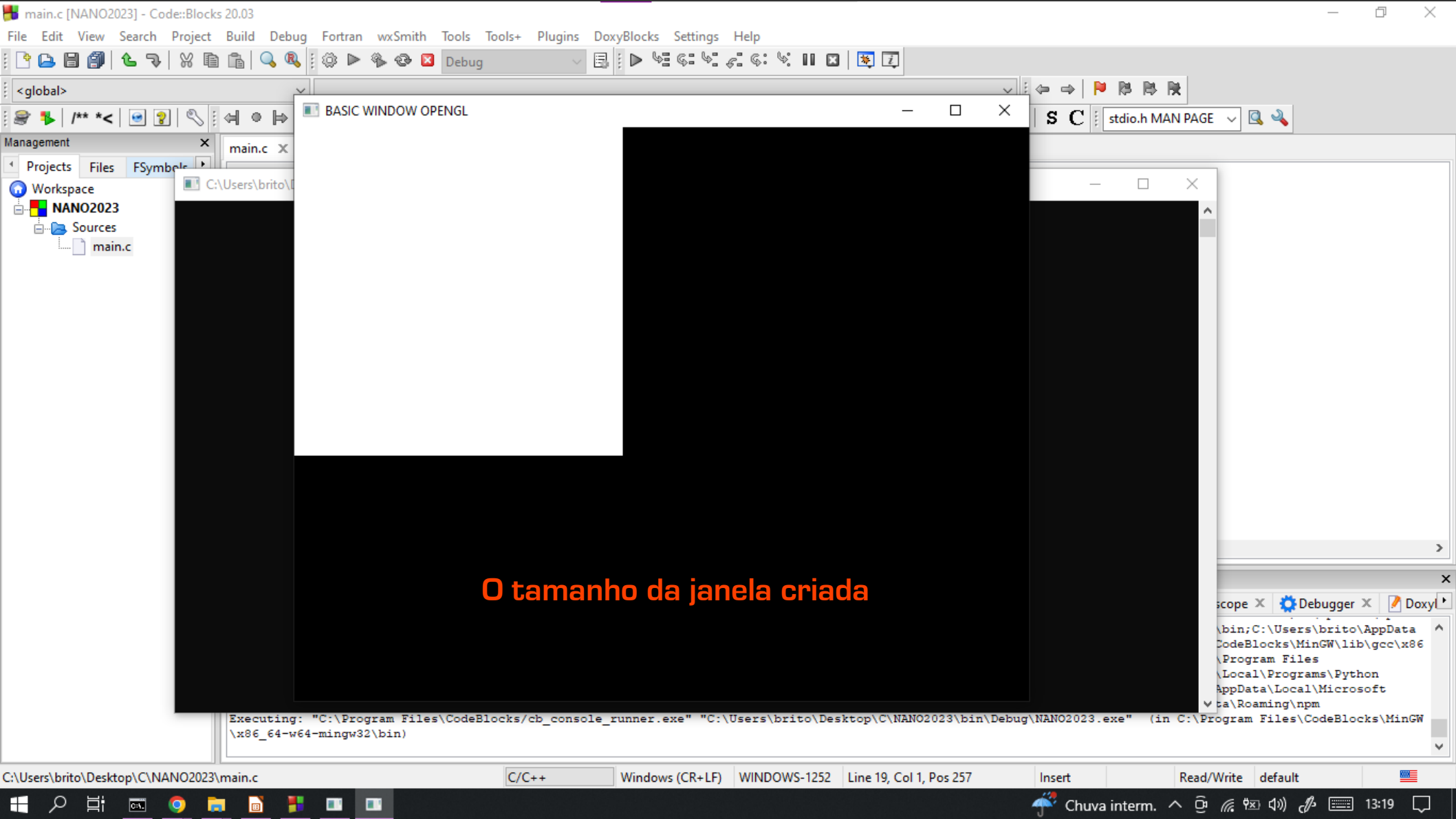
Como ela recebe uma função vamos escrever uma função pra ele
nesse caso a Draw(){}



Por fim compile e execute

Escrevemos a função nos moldes que deveríamos escrever não recebendo nada e não retornando nada





O tamanho da janela criada

*main.c [NANO2023] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(int C, char* V[]): int

Management

Projects Files FSymbols

Workspace
NANO2023
Sources
main.c

*main.c

```
1  #include <GL/glu.h>
2  #include <GL/glut.h>
3
4  void Draw()
5  {
6
7  }
8  int main(int C, char *V[])
9  {
10     glutInit(&C,V);
11     glutIni
12
13     # glutInit
14     (●) glutInit(): void
15     (●) glutInitDisplayMode(): void
16     (●) glutInitDisplayString(): void
17     (●) glutInitWindowPosition(): void
18     (●) glutInitWindowSize(): void
19     (●) glutInit_ATEXIT_HACK(): void
```

*main.c [NANO2023] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

<global> main(int C, char* V[]): int

Management

Projects Files FSymbols

Workspace

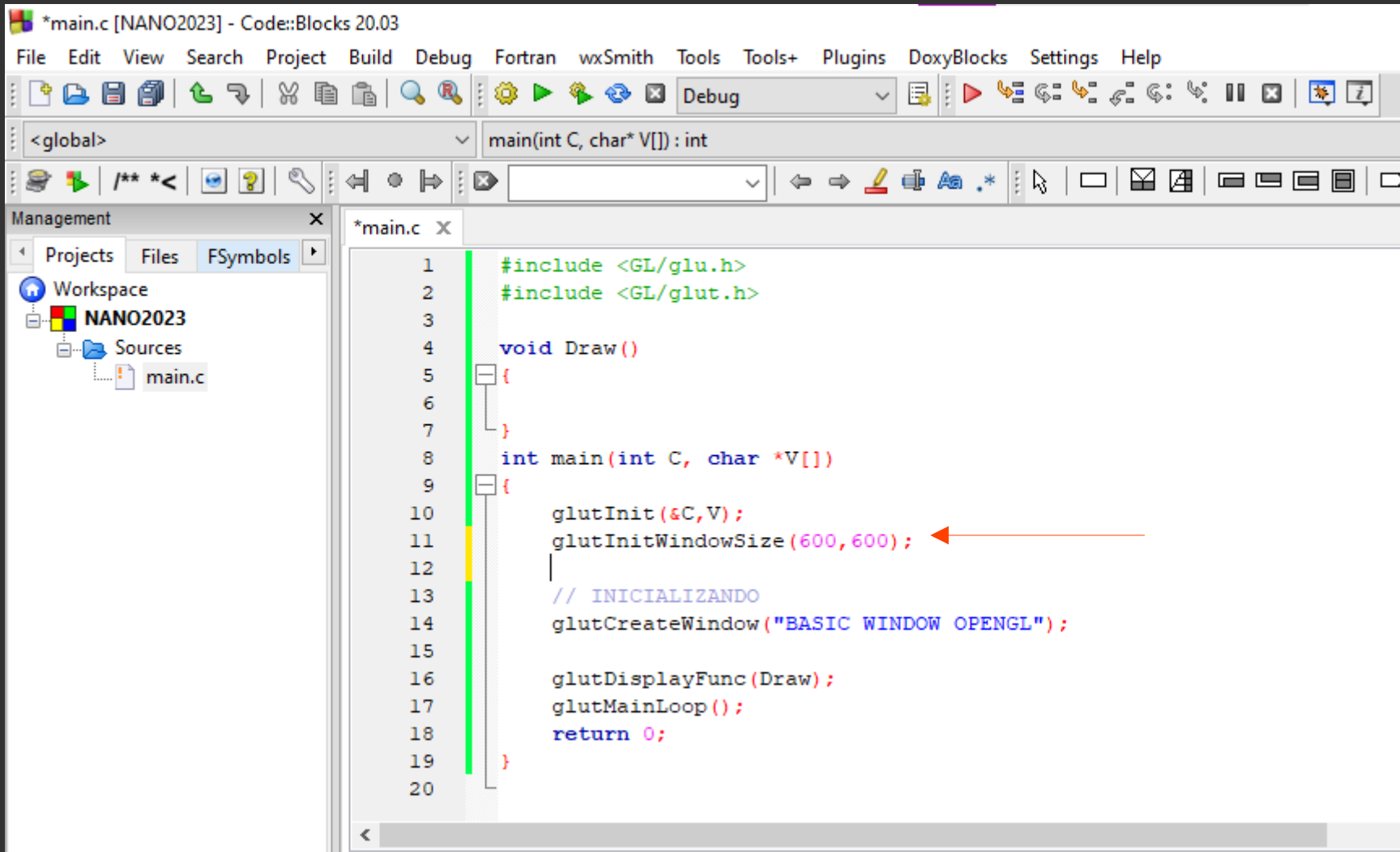
NANO2023

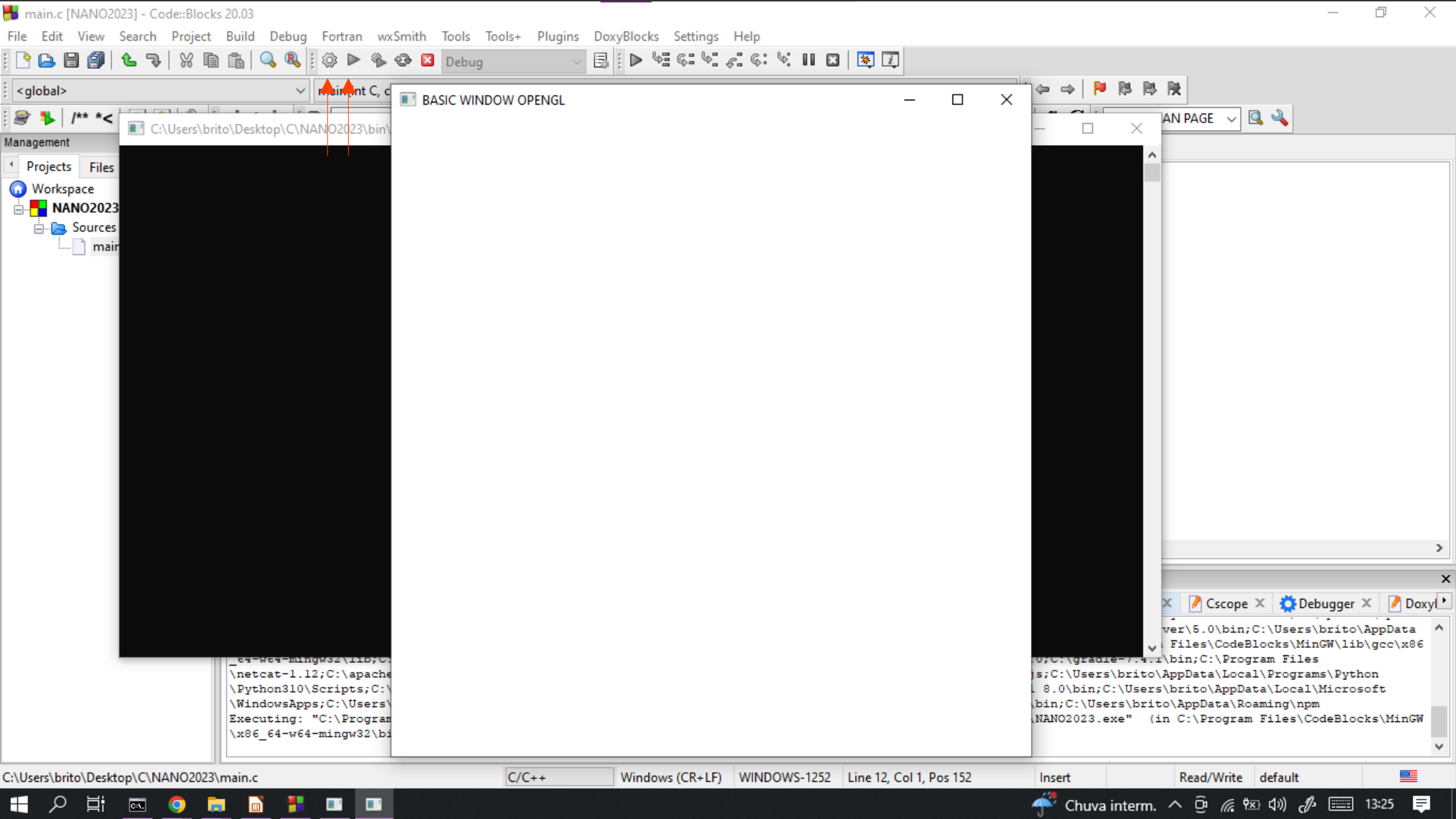
Sources

main.c

```
1  #include <GL/glu.h>
2  #include <GL/glut.h>
3
4  void Draw()
5  {
6
7  }
8
9  int main(int C, char *V[])
10 {
11     glutInit(&C,V);
12     glutInitWindowSize();
13     // INICIALIZANDO void glutInitWindowSize(int width, int height)
14     glutCreateWindow("BASIC WINDOW OPENGL");
15
16     glutDisplayFunc(Draw);
17     glutMainLoop();
18     return 0;
19 }
```

Não retorna nada e recebe dois numeros inteiros altura e largura da janela

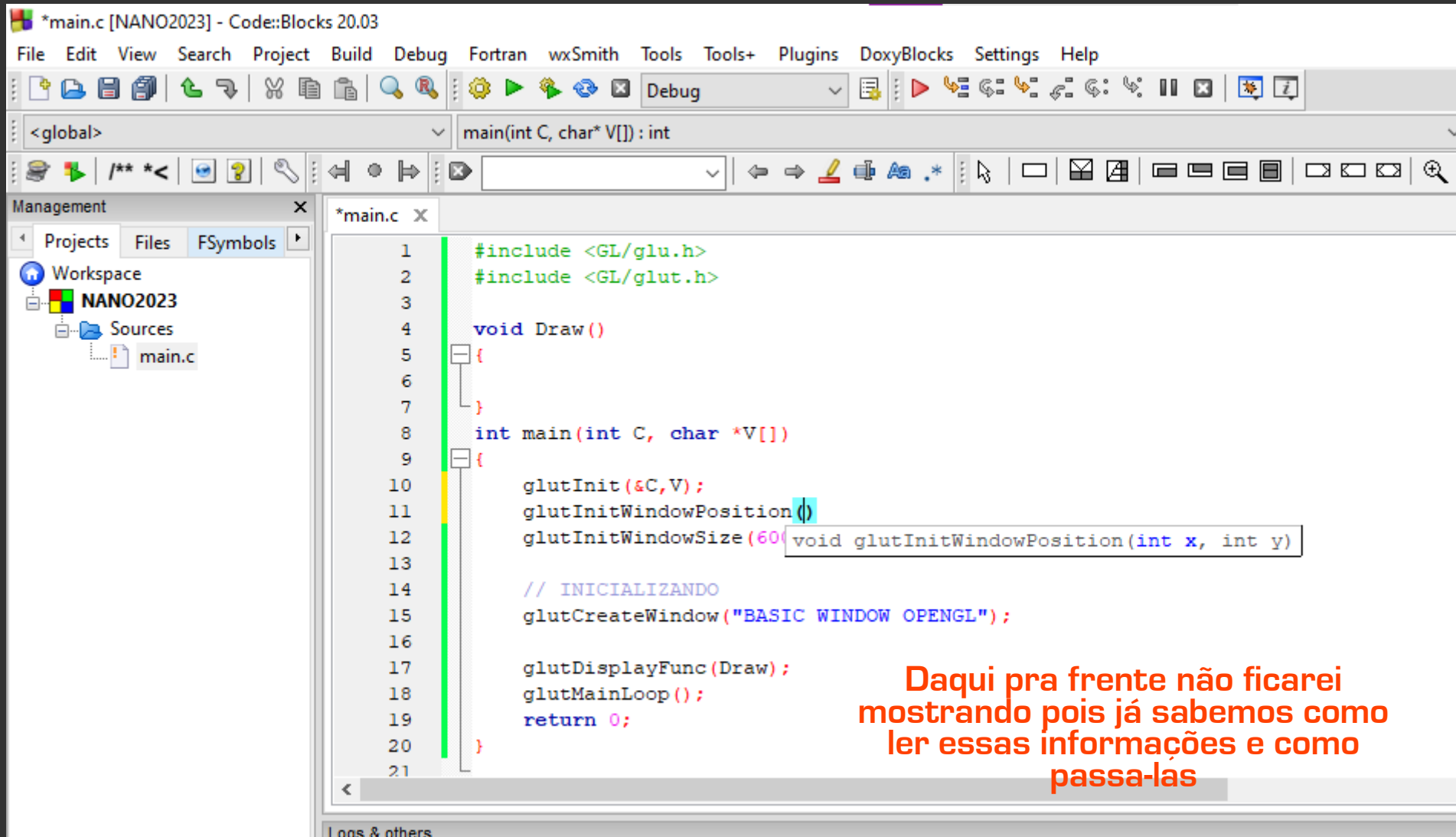




```
1  #include <GL/glu.h>
2  #include <GL/glut.h>
3
4  void Draw()
5  {
6
7  }
8  int main(int C, char *V[])
9  {
10     glutInit(&C,V);
11     glutI
12
13
14
15
16     # glutInit
17     glutInit(): void
18     glutInitDisplayMode(): void
19     glutInitDisplayString(): void
20     glutInitWindowPosition(): void
21 }
```

- (●) glutIconifyWindow(): void
- (●) glutIdleFunc(): void
- (●) glutIgnoreKeyRepeat(): void
- (●) glutInit
- (●) glutInit(): void
- (●) glutInitDisplayMode(): void
- (●) glutInitDisplayString(): void
- (●) glutInitWindowPosition(): void
- (●) glutInitWindowSize(): void
- (●) glutInit_ATEXIT_HACK(): void

"IGL");



*main.c [NANO2023] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(int C, char* V[]): int

stdio.h MAN PAGE

Management

Projects Files FSymbols

Workspace

NANO2023

Sources

main.c

```
1 #include <GL/glu.h>
2 #include <GL/glut.h>
3
4 void Draw()
5 {
6
7 }
8 int main(int C, char *V[])
9 {
10     glutInit(&C,V);
11     glutInitWindowPosition(100,150);
12     glutInitWindowSize(600,600);
13
14     // INICIALIZANDO
15     glutCreateWindow("BASIC WINDOW OPENGL");
16
17     glutDisplayFunc(Draw);
18     glutMainLoop();
19     return 0;
20 }
21
```

Logs and others

Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Cscope Debugger Doxy

_64-w64-mingw32\lib;C:\msys64\mingw64\bin;C:\msys64\mingw64\include\gtk-3.0;C:\msys64\mingw64\include\gtk-4.0;C:\gradle-7.4.1\bin;C:\Program Files\netcat-1.12;C:\apache-maven-3.8.6\bin;C:\gbdk\bin;C:\Users\britto\AppData\Roaming\nvm;C:\Program Files\nodejs;C:\Users\britto\AppData\Local\Programs\Python\Python310\Scripts;C:\Users\britto\AppData\Local\Programs\Python\Python310;C:\Program Files\MySQL\MySQL Shell 8.0\bin;C:\Users\britto\AppData\Local\Microsoft\WindowsApps;C:\Users\britto\.dotnet\tools;C:\Program Files (x86)\Brackets;C:\Users\britto\AppData\Local\atom\bin;C:\Users\britto\AppData\Roaming\npm

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\britto\Desktop\C\NANO2023\bin\Debug\NANO2023.exe" (in C:\Program Files\CodeBlocks\MinGW\x86_64-w64-mingw32\bin)

Process terminated with status -1073741510 (0 minute(s), 3 second(s))

C:\Users\britto\Desktop\C\NANO2023\main.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 13, Col 1, Pos 190 Insert Modified Read/Write default

