

Como configurar diferentes IDEs

Autor: Rafael Porto Vieira de Moura

[GitHub](#)

[Linkedin](#)

Index:

- [Como configurar diferentes IDEs](#)
 - [Index:](#)
- [Compilador MinGW](#)
 - [Guia para instalação - MinGW](#)
- [VsCode](#)
 - [Guia para instalação - VsCode](#)
 - [Extensões:](#)
 - [Setting.json:](#)
- [Geany](#)
 - [Guia para instalação - Geany](#)

Compilador MinGW

Guia para instalação - MinGW

Baixe o MinGW acessando [SourceForge](http://sourceforge.net), clique depois em Download, espere o download finalizar, e execute o aplicativo mingw-get-setup.exe. Será mostrado uma tela inicial mostrando informações do Projeto.

Passo 1: Clique para instalar

MinGW Installation Manager Setup Tool

mingw-get version 0.6.2-beta-20131004-1



Written by Keith Marshall

Copyright © 2009-2013, MinGW.org Project

<http://mingw.org>

This is free software; see the product documentation or source code, for copying and redistribution conditions. There is NO WARRANTY; not even an implied WARRANTY OF MERCHANTABILITY, nor of FITNESS FOR ANY PARTICULAR PURPOSE.

This tool will guide you through the first time setup of the MinGW Installation Manager software (mingw-get) on your computer; additionally, it will offer you the opportunity to install some other common components of the MinGW software distribution.

After first time setup has been completed, you should invoke the MinGW Installation Manager directly, (either the CLI mingw-get.exe variant, or its GUI counterpart, according to your preference), when you wish to add or to remove components, or to upgrade your MinGW software installation.

View Licence


Install

Cancel

Passo 2: Selecione o diretório para instalação

MinGW Installation Manager Setup Tool

mingw-get version 0.6.2-beta-20131004-1



Step 1: Specify Installation Preferences

Installation Directory

C:\MinGW Change

If you elect to change this, you are advised to avoid any choice of directory which includes white space within the absolute representation of its path name.

User Interface Options

Both command line and graphical options are available. The command line interface is always supported; the alternative only if you choose the following option to ...

☒ ... also install support for the graphical user interface.

Program shortcuts for launching the graphical user interface should be installed ...

☒ ... just for me (the current user), or ... ☐ ... for all users * ...

☒ ... in the start menu, and/or ... ☒ ... on the desktop.


* selection of this option requires administrative privilege.

View Licence Continue Cancel

Passo 3: Aguarde instalar

MinGW Installation Manager Setup Tool

mingw-get version 0.6.2-beta-20131004-1



Step 2: Download and Set Up MinGW Installation Manager

Download Progress

Catalogue update completed; please check 'Details' pane for errors.

Processed 113 of 113 items : 100 %

Details

```
mingw-get: *** INFO *** setup: unpacking mingw-get-setup-0.6.2-mingw32-beta-20131004-1-xml.tar.xz
mingw-get: *** INFO *** setup: updating installation database
mingw-get: *** INFO *** setup: register mingw-get-0.6.2-mingw32-beta-20131004-1-bin.tar.xz
mingw-get: *** INFO *** setup: register mingw-get-0.6.2-mingw32-beta-20131004-1-gui.tar.xz
mingw-get: *** INFO *** setup: register mingw-get-0.6.2-mingw32-beta-20131004-1-lic.tar.xz
mingw-get: *** INFO *** setup: installation database updated
```

View Licence Continue Quit

Passo 4: Clique em Instalattion > Mark All Upgrades

MinGW Installation Manager

InstallationPackageSettings

Update CatalogueMark All UpgradesApply ChangesQuitAlt+F4

Package	Installed Version	Repository Version	Description
<input type="checkbox"/> mingw-developer-toolkit-bin		2013072300	An MSYS Installation for MinGW Developers (meta)
<input type="checkbox"/> mingw32-base-bin		2013072200	A Basic MinGW Installation
<input type="checkbox"/> mingw32-gcc-ada-bin		9.2.0-2	The GNU Ada Compiler
<input type="checkbox"/> mingw32-gcc-fortran-bin		9.2.0-2	The GNU FORTRAN Compiler
<input type="checkbox"/> mingw32-gcc-g++-bin		9.2.0-2	The GNU C++ Compiler
<input type="checkbox"/> mingw32-gcc-objc-bin		9.2.0-2	The GNU Objective-C Compiler
<input type="checkbox"/> msys-base-bin		2013072300	A Basic MSYS Installation (meta)

GeneralDescriptionDependenciesInstalled FilesVersions

No package selected.
Please select a package from the list above, to view related data.

Passo 4.1: Marque para instalar mingw32-base e o mingw32-gcc-g++.

MinGW Installation Manager

InstallationPackageSettings

Basic SetupAll Packages

Package	Class	Installed Version	Repository Version	Description
<input type="checkbox"/> mingw-developer-tool... bin			2013072300	An MSYS Installation for MinGW Developers (meta)
<input checked="" type="checkbox"/> mingw32-base bin			2013072200	A Basic MinGW Installation
<input type="checkbox"/> mingw32-gcc-ada bin			9.2.0-2	The GNU Ada Compiler
<input type="checkbox"/> mingw32-gcc-fortran bin			9.2.0-2	The GNU FORTRAN Compiler
<input checked="" type="checkbox"/> mingw32-gcc-g++ bin			9.2.0-2	The GNU C++ Compiler
<input type="checkbox"/> mingw32-gcc-objc bin			9.2.0-2	The GNU Objective-C Compiler
<input type="checkbox"/> msys-base bin			2013072300	A Basic MSYS Installation (meta)

GeneralDescriptionDependenciesInstalled FilesVersions

A Basic MinGW Installation
This meta package provides a basic GCC installation, and includes the C compiler, linker and other binary tools, the runtime libraries and windows API support, mingw32-make, and a debugger. Other components can be added manually as needed.

Passo 5: Clique em Instalattion > Apply Changes.

MinGW Installation Manager

InstallationPackageSettings

Update Catalogue

Mark All Upgrades

Apply Changes

QuitAlt+F4

Package	Class	Installed Version	Repository Version	Description
<input type="checkbox"/> mingw-developer-tool...	bin		2013072300	An MSYS Installation for MinGW Developers (meta)
<input checked="" type="checkbox"/> mingw32-base	bin		2013072200	A Basic MinGW Installation
<input type="checkbox"/> mingw32-gcc-ada	bin		9.2.0-2	The GNU Ada Compiler
<input type="checkbox"/> mingw32-gcc-fortran	bin		9.2.0-2	The GNU FORTRAN Compiler
<input checked="" type="checkbox"/> mingw32-gcc-g++	bin		9.2.0-2	The GNU C++ Compiler
<input type="checkbox"/> mingw32-gcc-objc	bin		9.2.0-2	The GNU Objective-C Compiler
<input type="checkbox"/> msys-base	bin		2013072300	A Basic MSYS Installation (meta)

GeneralDescriptionDependenciesInstalled FilesVersions

The GNU C++ Compiler

This package provides the MinGW implementation of the GNU C++ language compiler.
This is an optional component of the MinGW Compiler Suite; you require it only if you wish to compile programs written in the C++ language.

Passo 6: Clique em Apply novamente e aguarde fazer a instalação

MinGW Installation Manager

InstallationPackageSettings

Basic Setup

All

Schedule of Pending Actions

Okay to proceed?

The package changes itemised below will be implemented when you choose "Apply"

Apply

Defer

Discard

0 installed packages will be removed

0 installed packages will be upgraded

2 new/upgraded packages will be installed

mingw32-base-2013072200-mingw32-bin.meta
gcc-c++-9.2.0-2-mingw32-bin.tar.xz

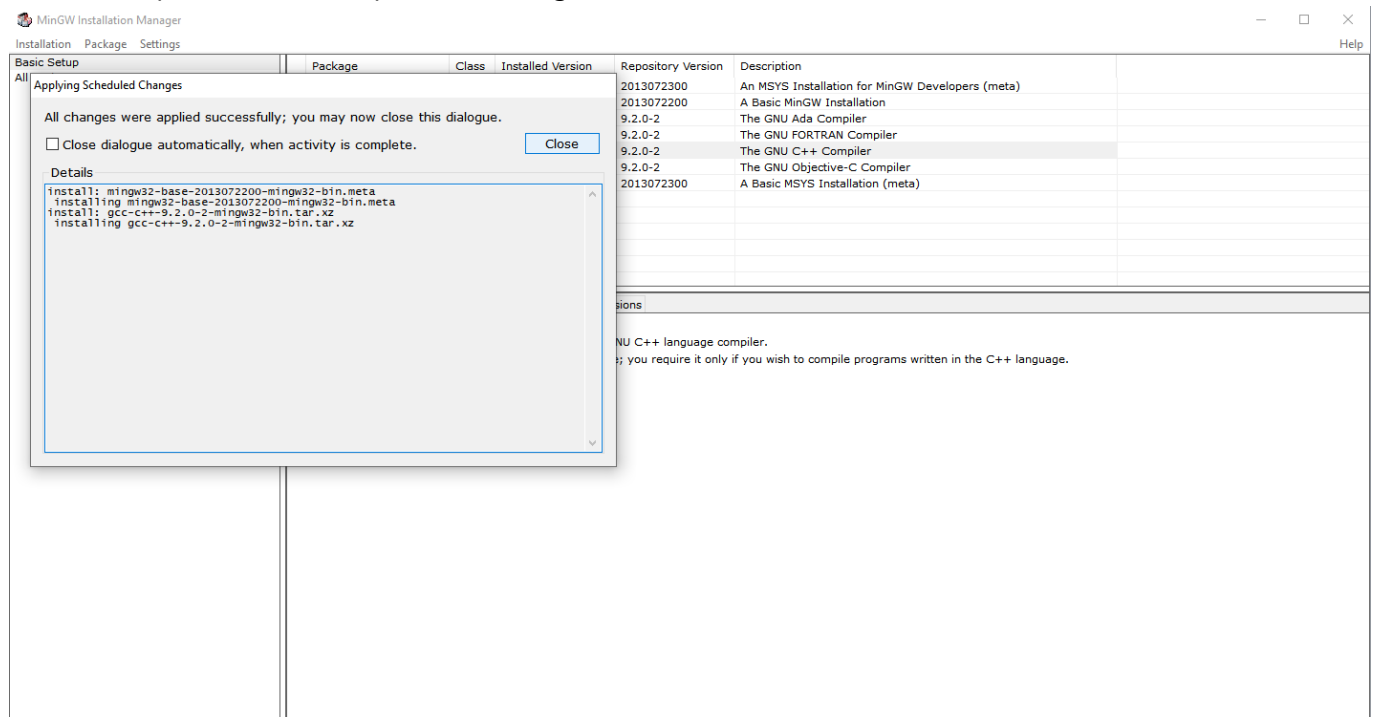
Package	Class	Installed Version	Repository Version	Description
			2013072300	An MSYS Installation for MinGW Developers (meta)
			2013072200	A Basic MinGW Installation
			9.2.0-2	The GNU Ada Compiler
			9.2.0-2	The GNU FORTRAN Compiler
			9.2.0-2	The GNU C++ Compiler
			9.2.0-2	The GNU Objective-C Compiler
			2013072300	A Basic MSYS Installation (meta)

isions

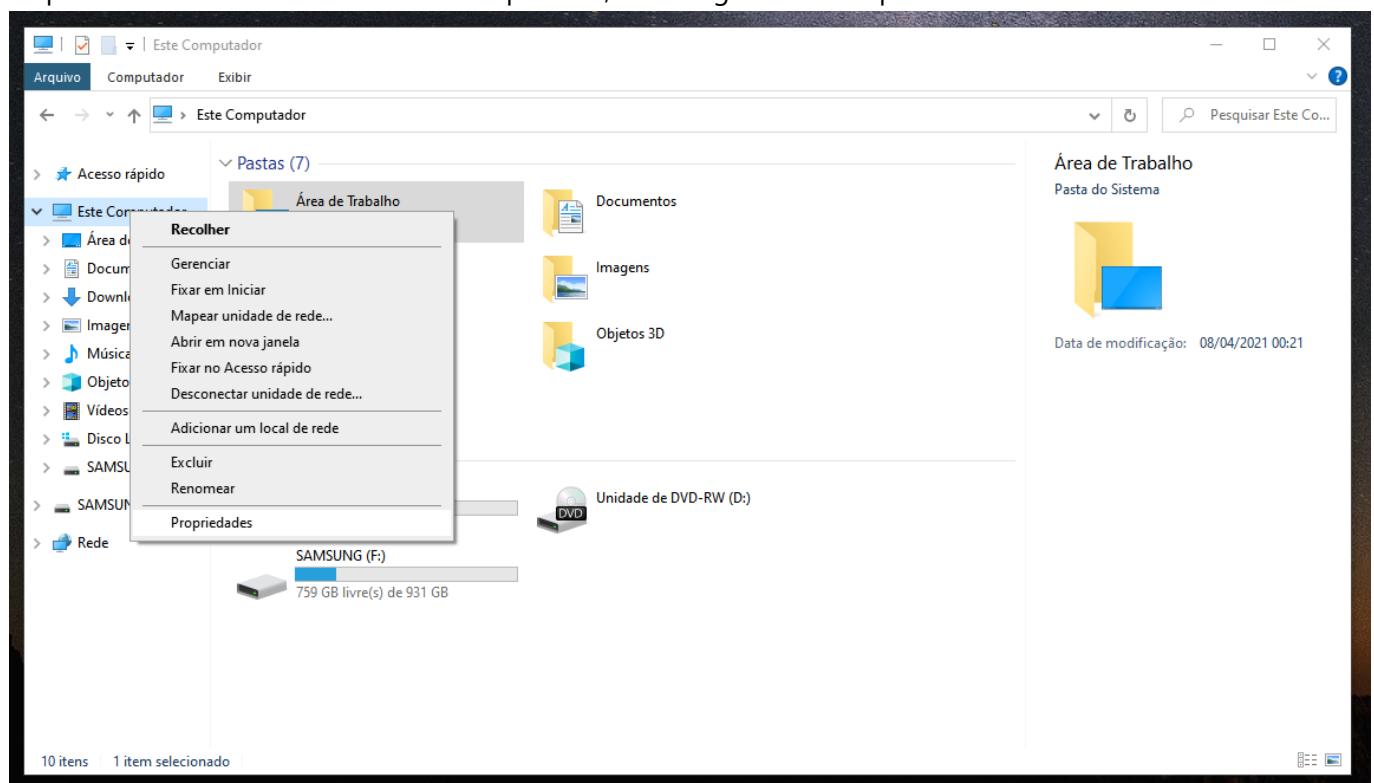
NU C++ language compiler.

; you require it only if you wish to compile programs written in the C++ language.

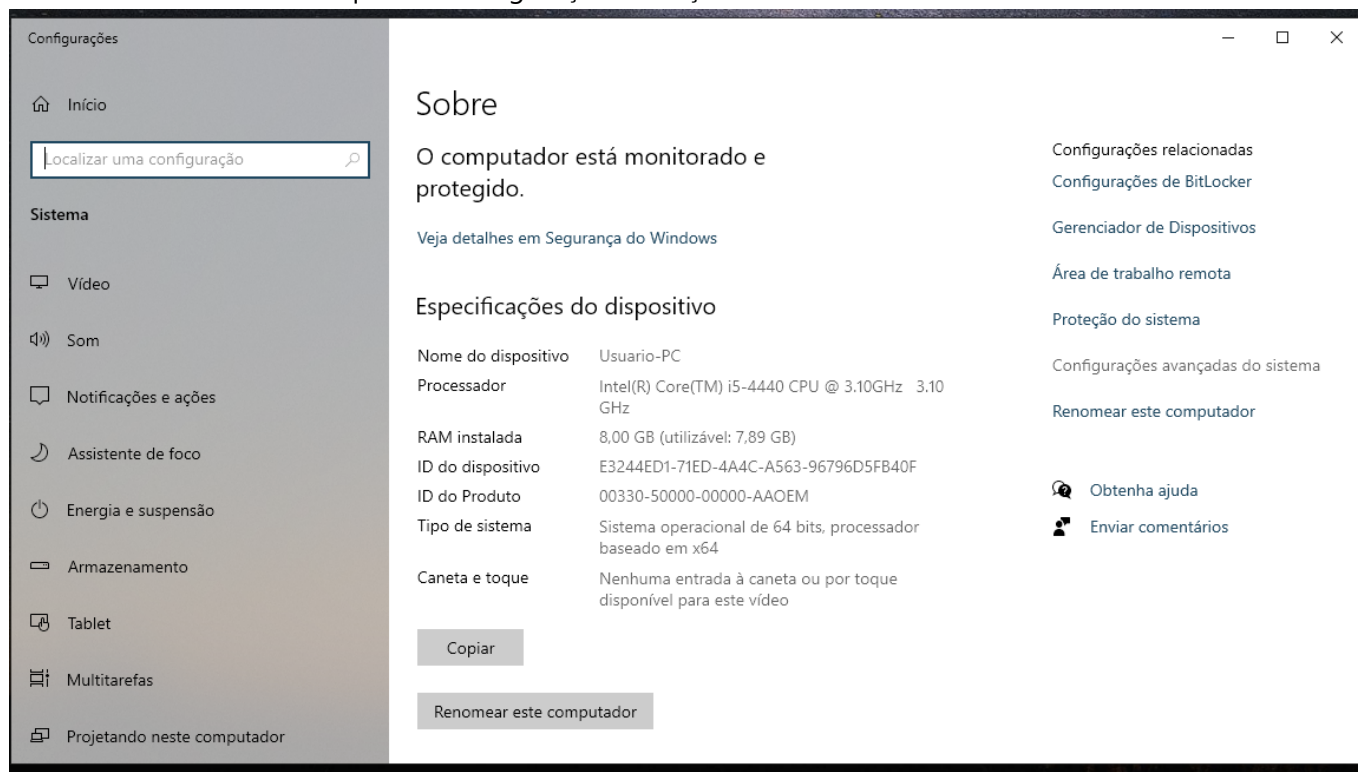
Passo 7: Depois de instalado pode fechar o gerenciador de instalação



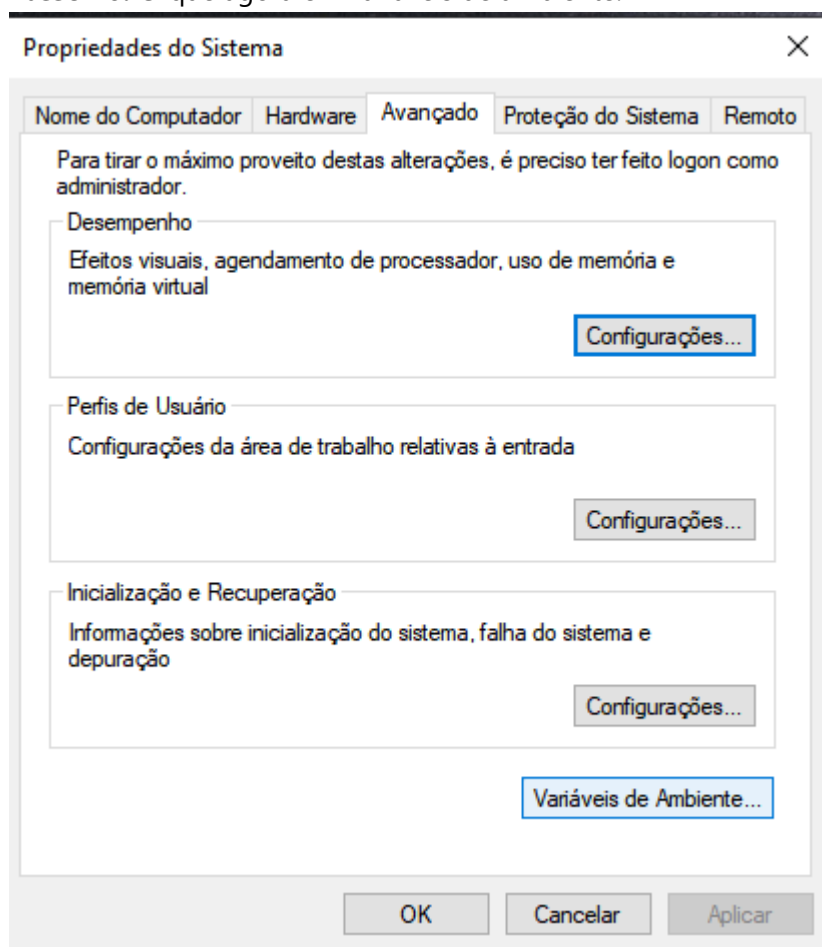
Passo 8: Agora será necessário adicionar o diretório de binários do MinGW na Path do Windows, para isso, clique com o botão direito em Este Computador, e em seguida em Propriedades.



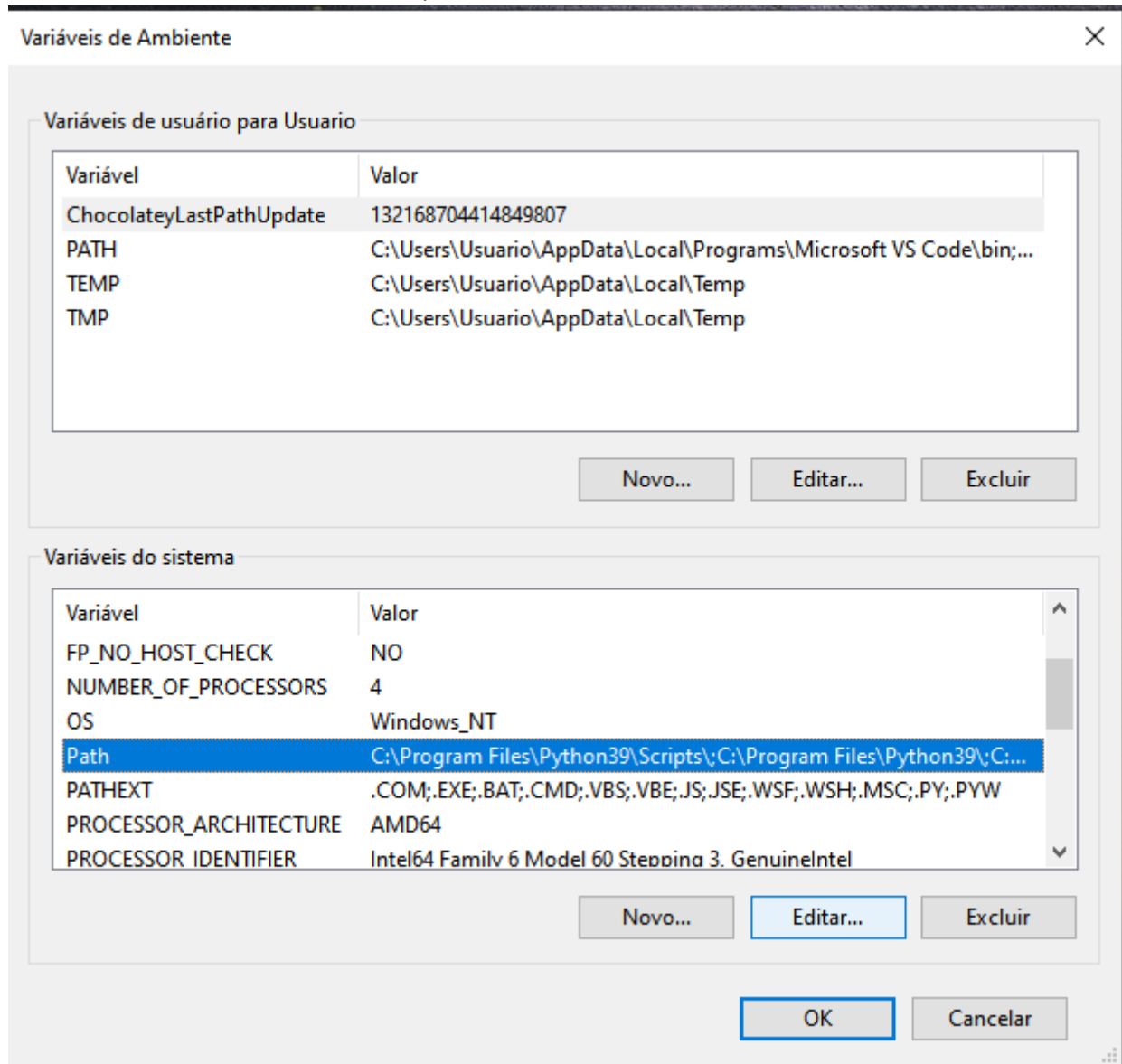
Passo 9: No lado direito clique em Configurações avançadas do sistema.



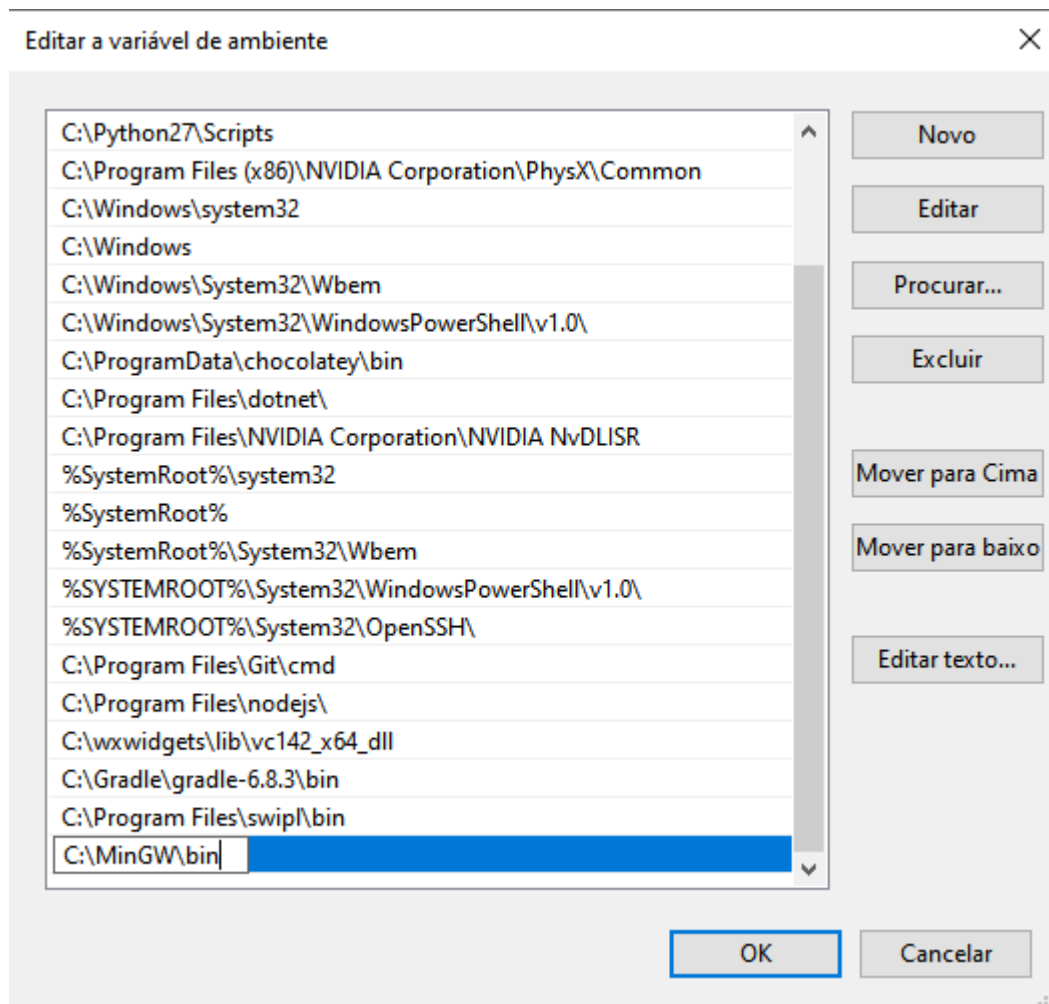
Passo 10: Clique agora em variáveis de ambiente.



Passo 11: Ache a variável PATH, e clique em editar



Passo 12: Clique em novo, e em seguida coloque o diretório dos binários que foram instalados com o MinGW (geralmente em C:\MinGW\bin). Em seguida clique em Ok.



Passo 13: Para testar se deu certo, abra o Prompt de Comando e digite "g++".

```
C:\> Prompt de Comando

C:\Users\Usuario>g++
g++: fatal error: no input files
compilation terminated.

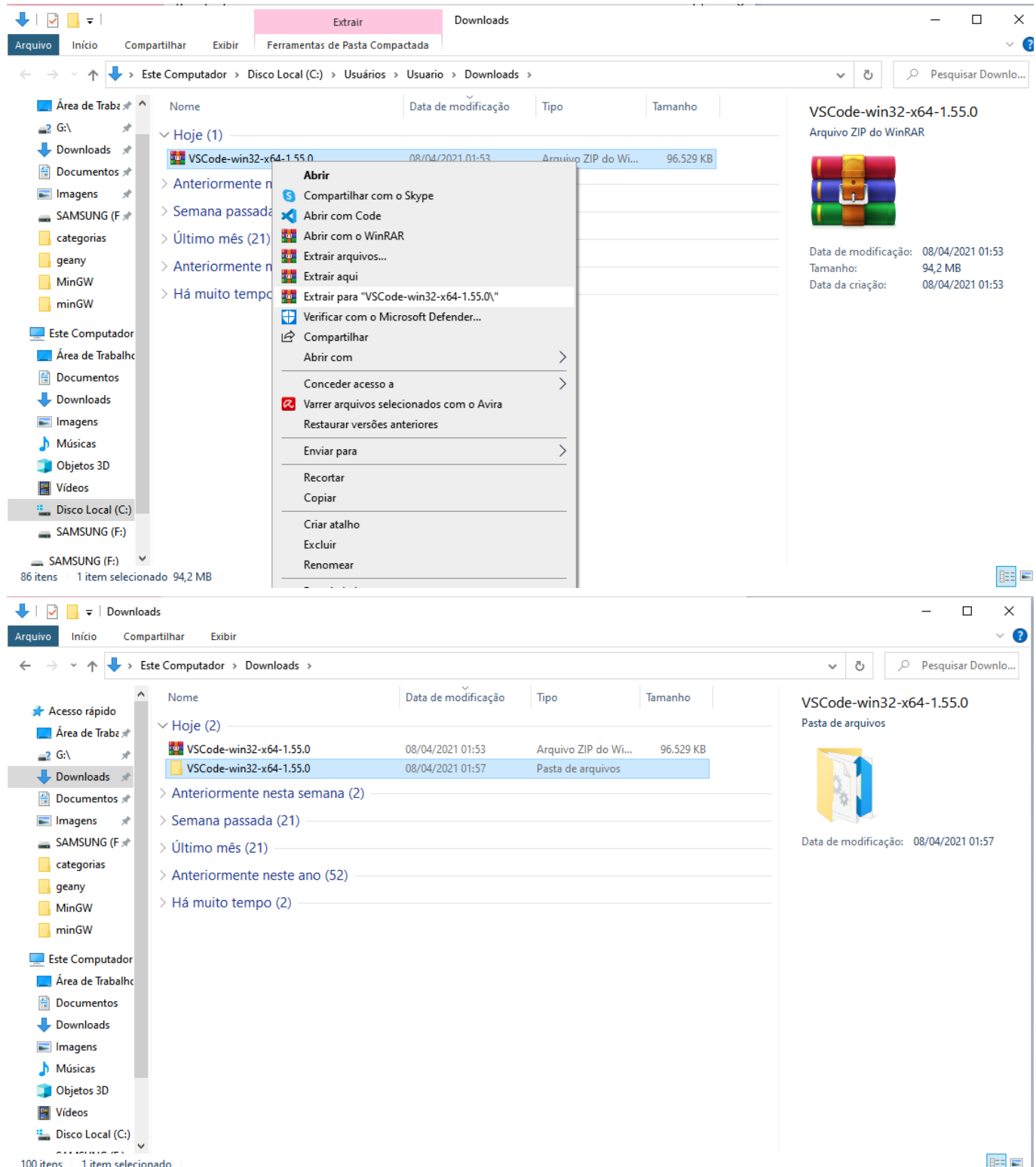
C:\Users\Usuario>
```

VsCode

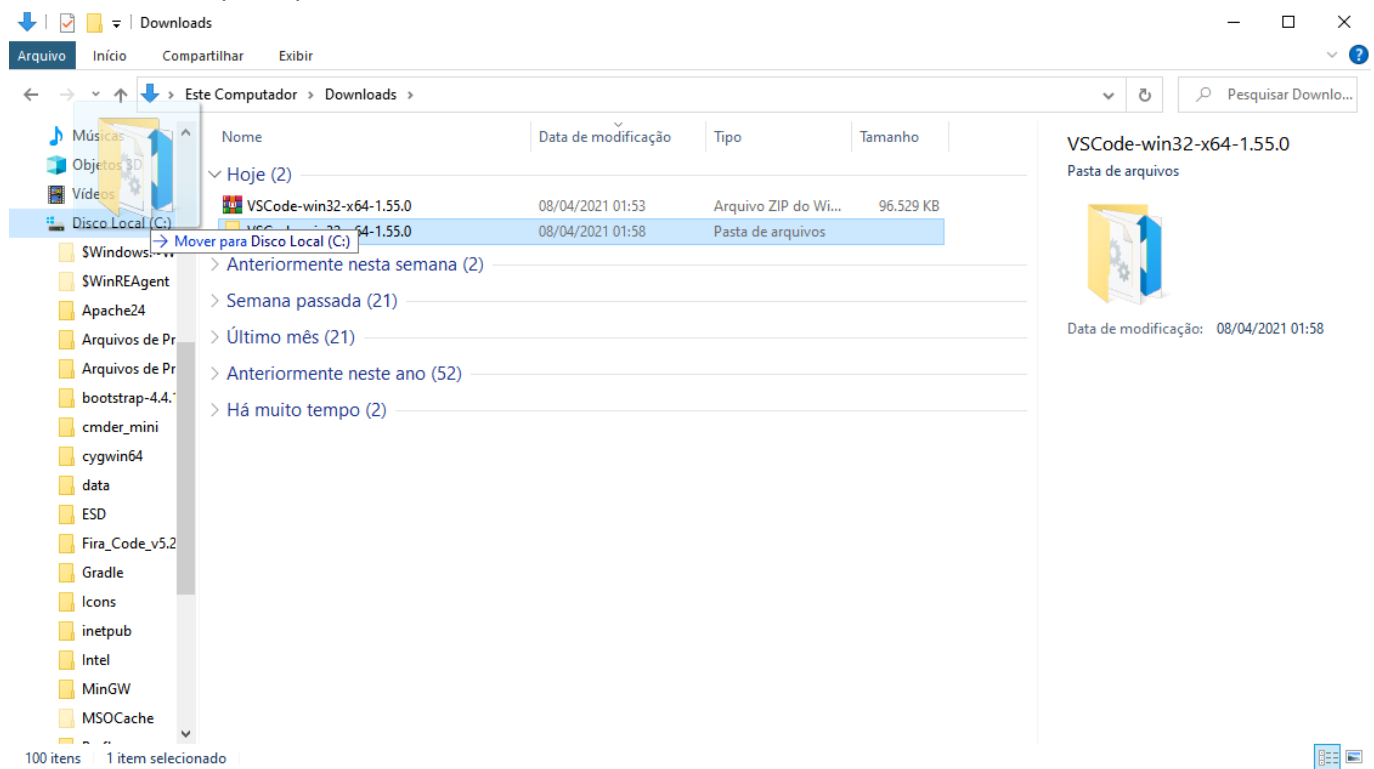
Guia para instalação - VsCode

Baixe o VsCode para a sua distribuição acessando [este link](#). Para Windows baixe o .zip e para linux baixe o .tar.gz. Após feito o download, abra a pasta em que se encontra o download e siga os seguintes passos:

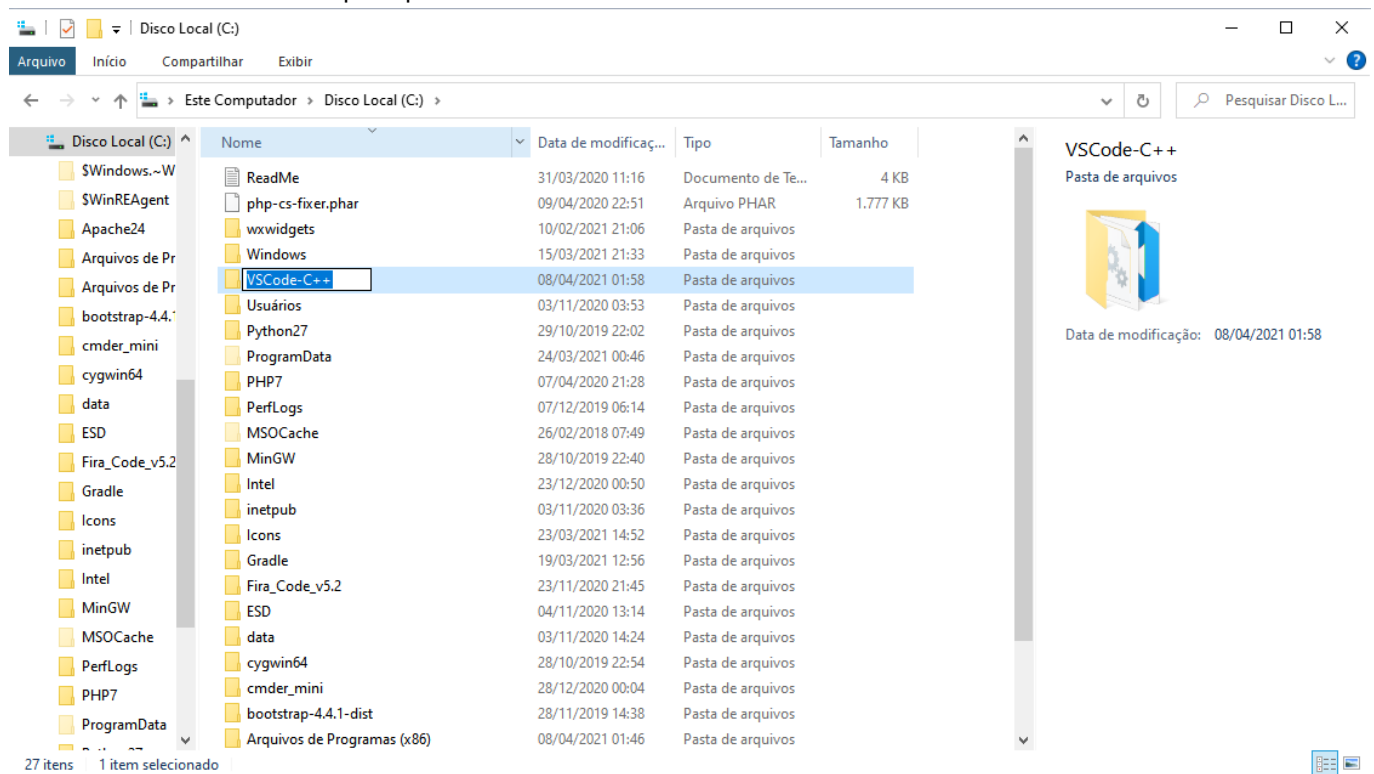
Passo 1: Extraia os arquivos para uma pasta



Passo 2: Mova a pasta para Disco Local (C:)



Passo 3: Mude o nome da pasta para VsCode-C++



Passo 4: Dentro da pasta crie outra pasta chamada data

VSCode-C++

ArquivoInícioCompartilharExibir

Este Computador > Disco Local (C:) > VSCode-C++ >

Apache24

Arquivos de Pr

Arquivos de Pr

bootstrap-4.4.1

cmdr_mini

cygwin64

data

ESD

Fira_Code_v5.2

Gradle

Icons

inetpub

Intel

MinGW

MSOCache

PerfLogs

PHP7

ProgramData

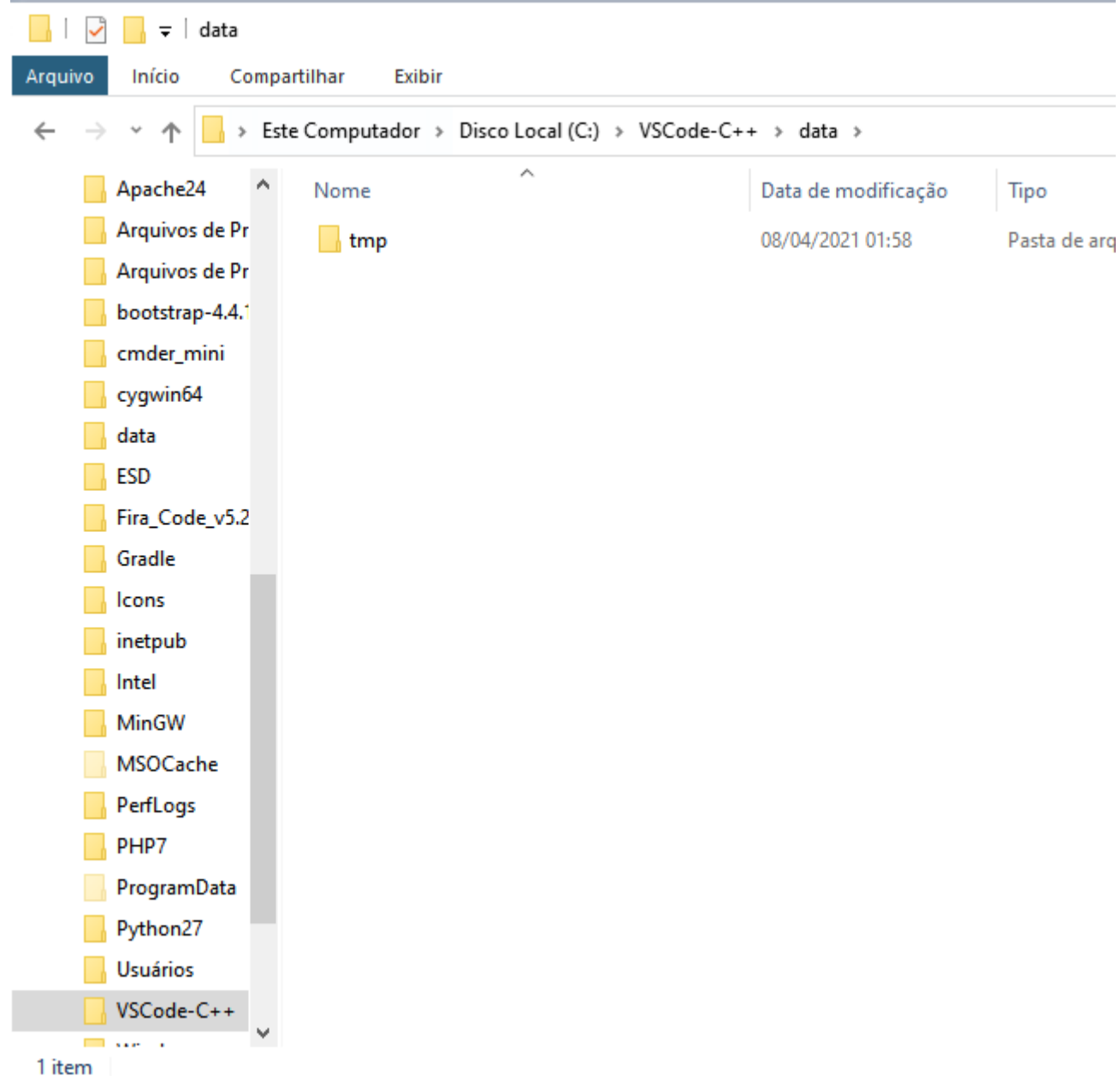
Python27

Usuários

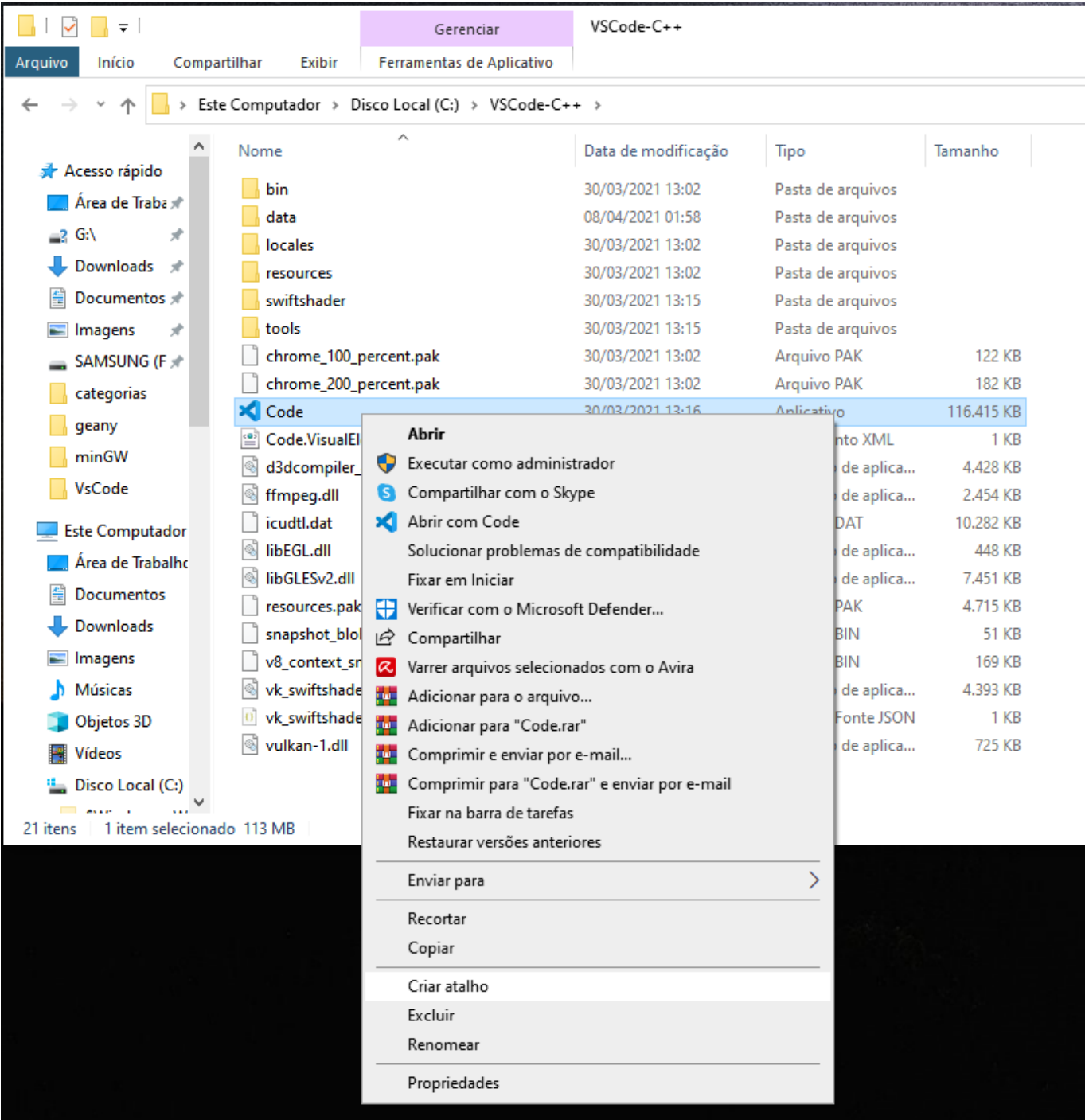
VSCode-C++

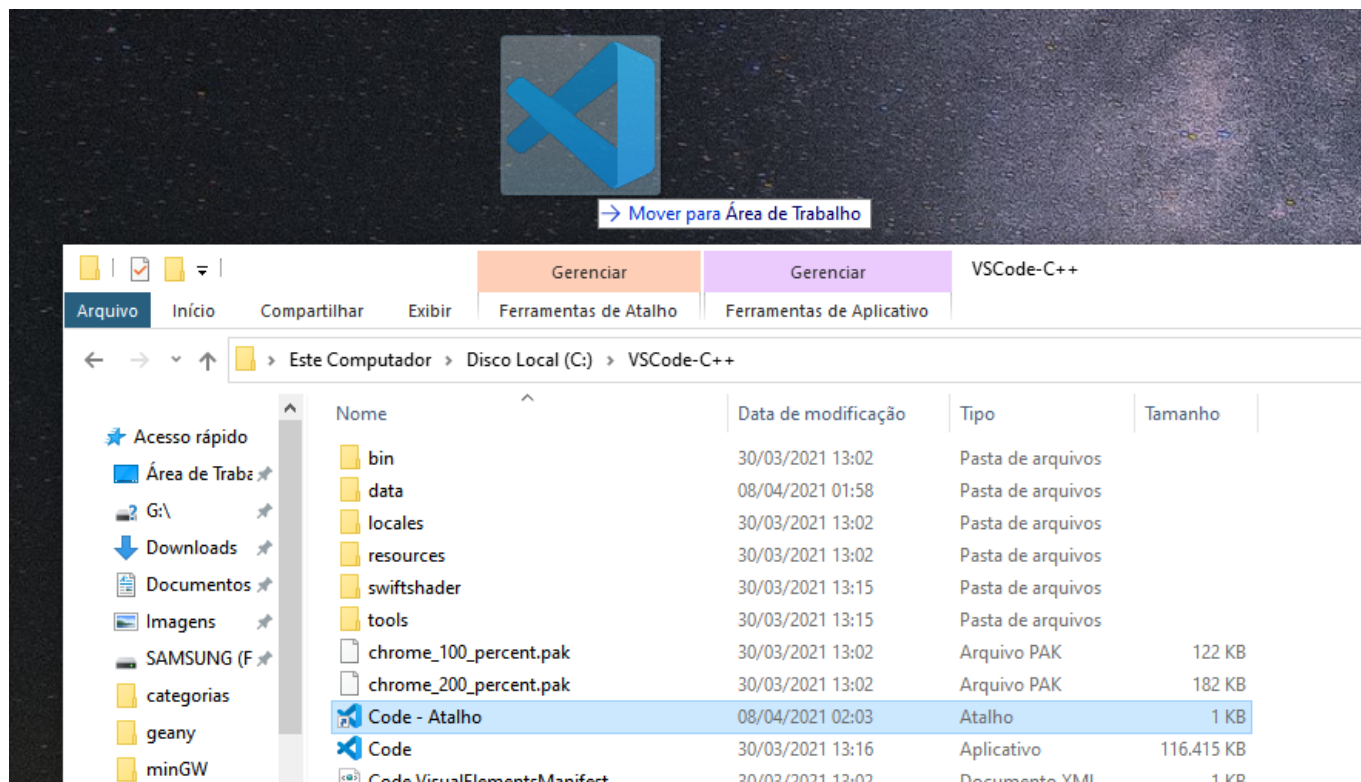
Nome	Data de modificação	Tipo	Tamanho
bin	30/03/2021 13:02	Pasta de arquivos	
data	08/04/2021 01:58	Pasta de arquivos	
locales	30/03/2021 13:02	Pasta de arquivos	
resources	30/03/2021 13:02	Pasta de arquivos	
swiftshader	30/03/2021 13:15	Pasta de arquivos	
tools	30/03/2021 13:15	Pasta de arquivos	
chrome_100_percent.pak	30/03/2021 13:02	Arquivo PAK	122 KB
chrome_200_percent.pak	30/03/2021 13:02	Arquivo PAK	182 KB
Code	30/03/2021 13:16	Aplicativo	116.415 KB
Code.VisualElementsManifest	30/03/2021 13:02	Documento XML	1 KB
d3dcompiler_47.dll	30/03/2021 13:15	Extensão de aplica...	4.428 KB
ffmpeg.dll	30/03/2021 13:15	Extensão de aplica...	2.454 KB
icudtl.dat	30/03/2021 13:02	Arquivo DAT	10.282 KB
libEGL.dll	30/03/2021 13:15	Extensão de aplica...	448 KB
libGLSv2.dll	30/03/2021 13:15	Extensão de aplica...	7.451 KB
resources.pak	30/03/2021 13:02	Arquivo PAK	4.715 KB
snapshot_blob.bin	30/03/2021 13:02	Arquivo BIN	51 KB
v8_context_snapshot.bin	30/03/2021 13:02	Arquivo BIN	169 KB
vk_swiftshader.dll	30/03/2021 13:15	Extensão de aplica...	4.393 KB
vk_swiftshader_icd	30/03/2021 13:02	Arquivo Fonte JSON	1 KB
vulkan-1.dll	30/03/2021 13:15	Extensão de aplica...	725 KB

Passo 5: Dentro de data crie outra pasta chamada tmp



Passo 6: Crie um atalho de Code.exe e mova para area de trabalho





Extensões:

Name: C/C++

1. Name: C/C++

Id: ms-vscode.cpptools

Description: C/C++ IntelliSense, debugging, and code browsing.

VS Marketplace Link: <https://marketplace.visualstudio.com/items?itemName=ms-vscode.cpptools>

2. Name: Material Icon Theme

Id: pkief.material-icon-theme

Description: Material Design Icons for Visual Studio Code

VS Marketplace Link: <https://marketplace.visualstudio.com/items?itemName=PKief.material-icon-theme>

3. Name: One Dark Pro

Id: zhuangtongfa.material-theme

Description: Atom's iconic One Dark theme for Visual Studio Code

VS Marketplace Link: <https://marketplace.visualstudio.com/items?itemName=zhuangtongfa.Material-theme>

4. Name: Bracket Pair Colorizer

Id: coenraads.bracket-pair-colorizer

Description: A customizable extension for colorizing matching brackets

VS Marketplace Link: <https://marketplace.visualstudio.com/items?itemName=CoenraadS.bracket-pair-colorizer>

5. Name: C/C++ Compile Run

Id: danielpinto8zz6.c-cpp-compile-run

Description: Compile & Run single c/c++ files easily

VS Marketplace Link: <https://marketplace.visualstudio.com/items?itemName=danielpinto8zz6.c-cpp-compile-run>

Setting.json:

```
{
  "workbench.iconTheme": "material-icon-theme",
  "workbench.colorTheme": "One Dark Pro",
  "workbench.startupEditor": "newUntitledFile",
  "files.autoSave": "onFocusChange",
  "editor.defaultFormatter": "ms-vscode.cpptools",
  "editor.formatOnSave": true,
  "editor.formatOnPaste": true,
  "C_Cpp.formatting": "vcFormat",
  "C_Cpp.vcFormat.indent.caseContentsWhenBlock": true,
  "C_Cpp.vcFormat.indent.accessSpecifiers": true,
  "C_Cpp.vcFormat.indent.preserveWithinParentheses": true,
  "C_Cpp.vcFormat.indent.preserveComments": true,
  "C_Cpp.vcFormat.newLine.beforeOpenBrace.block": "sameLine",
  "C_Cpp.vcFormat.space.betweenEmptySquareBrackets": true,
  "C_Cpp.vcFormat.newLine.beforeOpenBrace.function": "sameLine",
  "C_Cpp.vcFormat.newLine.beforeOpenBrace.lambda": "sameLine",
  "C_Cpp.vcFormat.newLine.beforeOpenBrace.namespace": "sameLine",
  "C_Cpp.vcFormat.newLine.beforeOpenBrace.type": "sameLine",
  "C_Cpp.vcFormat.newLine.closeBraceSameLine.emptyFunction": true,
  "C_Cpp.vcFormat.newLine.closeBraceSameLine.emptyType": true,
  "C_Cpp.vcFormat.space.insertAfterSemicolon": true,
  "C_Cpp.vcFormat.indent.withinParentheses": "alignToParenthesis",
  "C_Cpp.vcFormat.space.afterCastCloseParenthesis": false,
  "C_Cpp.vcFormat.space.withinParameterListParentheses": true,
  "C_Cpp.vcFormat.space.withinExpressionParentheses": true,
  "C_Cpp.vcFormat.space.withinCastParentheses": true,
  "C_Cpp.vcFormat.space.withinControlFlowStatementParentheses": true,
  "C_Cpp.vcFormat.space.withinSquareBrackets": false,
  "C_Cpp.vcFormat.indent.caseLabels": true,
  "C_Cpp.updateChannel": "Insiders",
  "c-cpp-compile-run.cpp-compiler": "g++",
  "c-cpp-compile-run.cpp-flags": "-Wall -Wextra",
  "c-cpp-compile-run.save-before-compile": true,
}
```

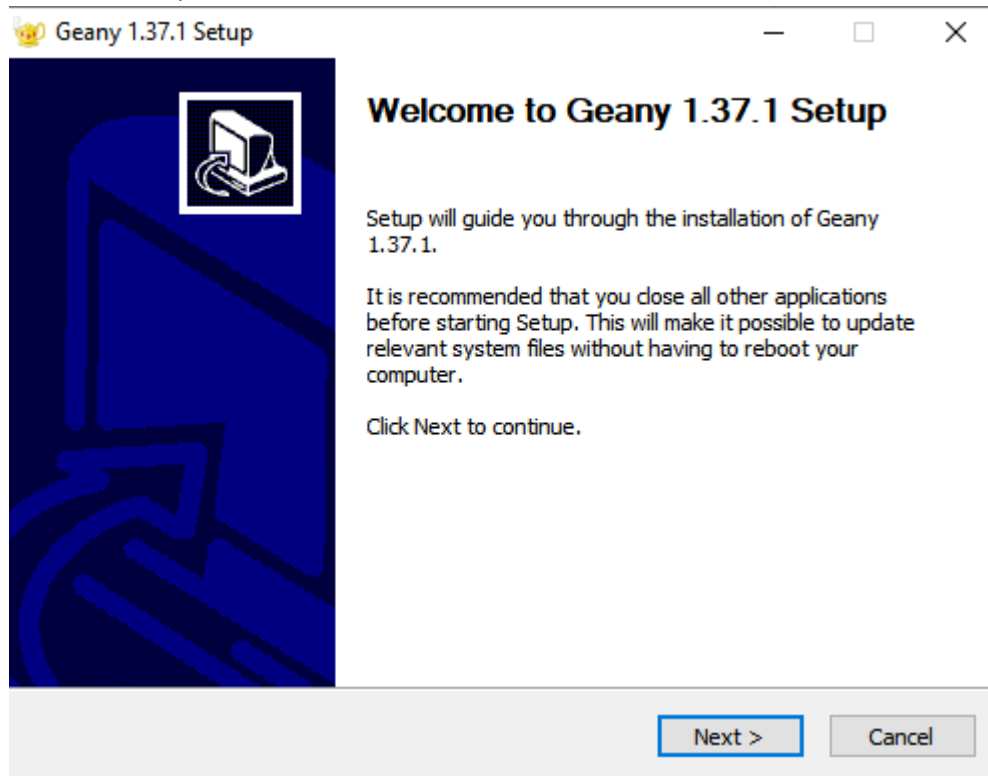

Geany

Guia para instalação - Geany

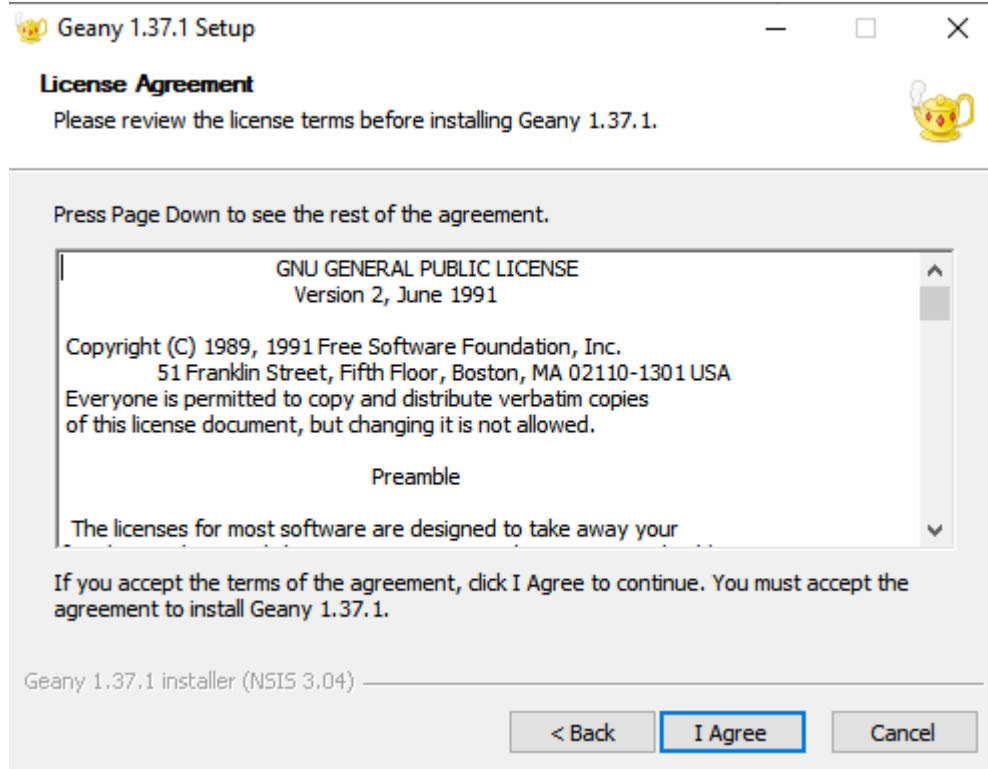
Link para o site com outras distribuições: [Geany](#)

Baixe o Geany para Windows acessando [este link](#), aguarde o Download finalizar e clique no programa executável geany-1.37.1_setup.exe.

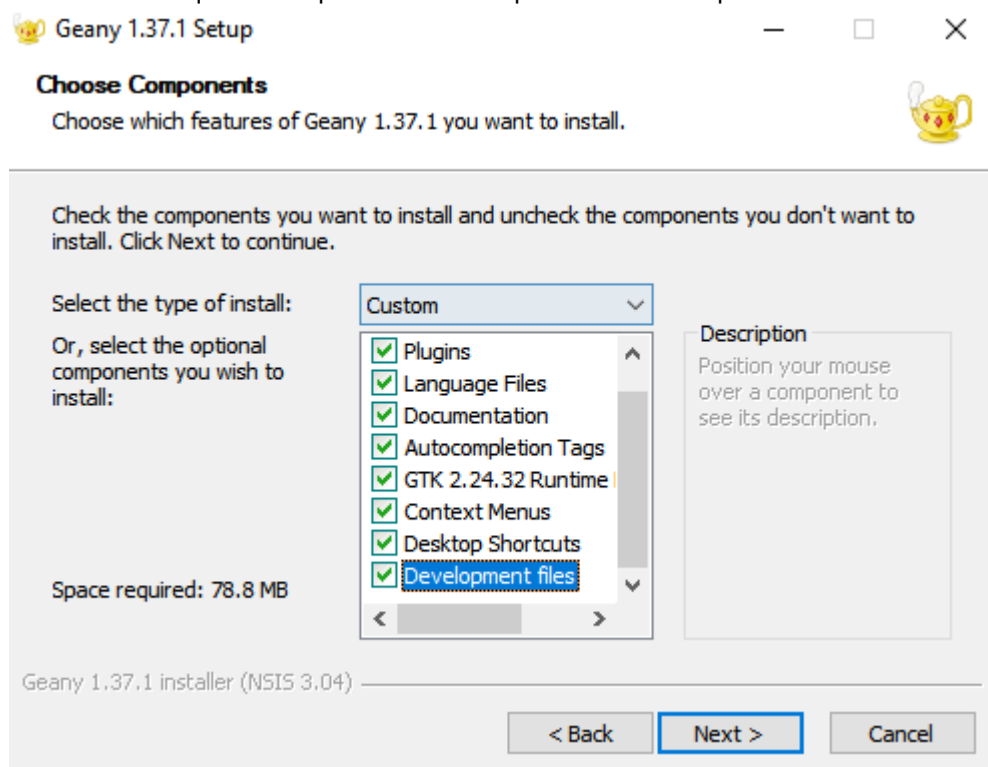
PASSO 1: Clique em Next >



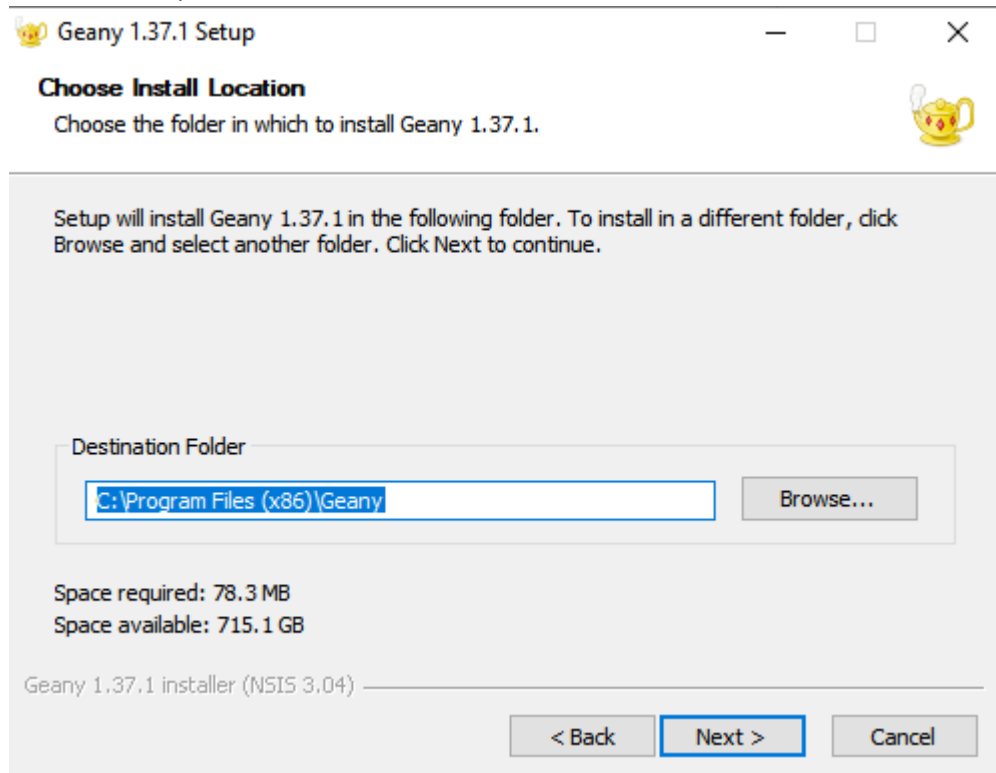
PASSO 2: Clique em I agree



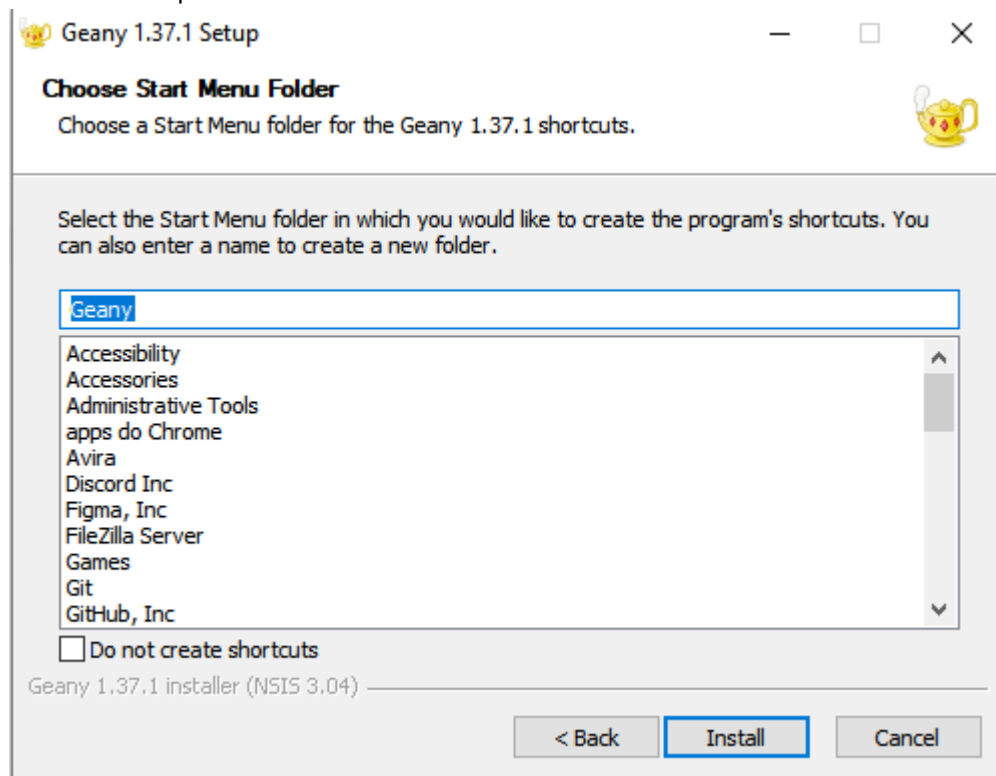
PASSO 3: Marque o componente Development files e clique em Next >



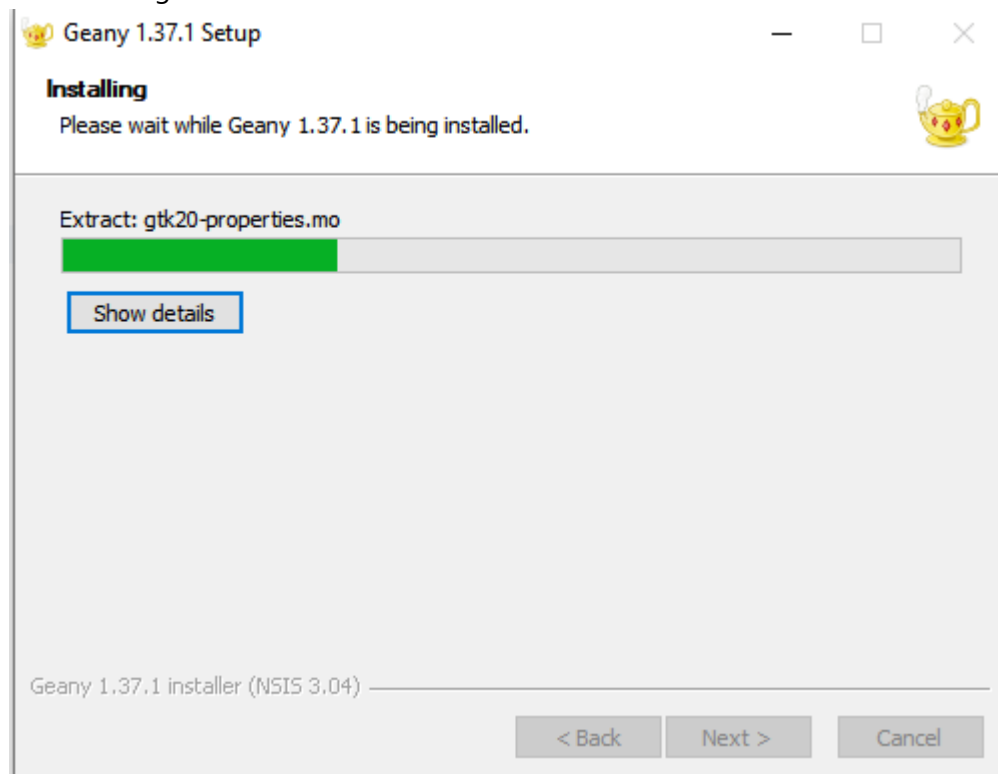
PASSO 4: Clique em Next >



PASSO 5: Clique em Install



PASSO 6: Aguarde instalar



PASSO 7: Clique em Finish

