



# 程序设计思想与方法(C++)

任课教师：胡亮

CodeBlocks 安装&EduCoder 平台使用

—— 饮水思源 · 爱国荣校 ——

2020年9月17日



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**CodeBlocks软件**

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**EduCoder平台**



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**CodeBlocks下载**

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**CodeBlocks安装**

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**CodeBlocks使用**

# 1.1 CodeBlocks下载过程

- 打开CodeBlocks主页: <http://www.codeblocks.org/>
- 点击上方 “Downloads”



**Code::Blocks** *Code::Blocks - The IDE with all the features you need, having a consistent look, feel and operation across platforms.*

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**The open source, cross platform, free C, C++ and Fortran IDE.**

Code::Blocks is a *free C, C++ and Fortran IDE* built to meet the most demanding needs of its users. It is designed to be very extensible and fully configurable.

Finally, an IDE with all the features *you* need, having a consistent look, feel and operation across platforms.

Built around a plugin framework, Code::Blocks can be *extended with plugins*. Any kind of functionality can be added by installing/coding a plugin. For instance, compiling and debugging functionality is already provided by plugins!

Special credits go to darmar for his great work on the *FortranProject* plugin, bundled since release 13.12.

We hope you enjoy using Code::Blocks!

*The Code::Blocks Team*

**Code::Blocks 20.03 is here!**

Written by MortenMacFly  
Thursday, 19 March 2020 05:09

Finally, switch to wxWidgets 3.x, many improvements, new features, more stable, enhanced for HiDPI, the new Code::Blocks release 20.03 has arrived. Get it from the **downloads** section! A **changelog** summarises new features and fixes.

We provide binaries for the major platforms supported by Code::Blocks, with more to come in the next time.

Last Updated on Thursday, 19 March 2020 05:10

**Code::Blocks 17.12 is here!**

Written by MortenMacFly  
Saturday, 30 December 2017 16:34

Again, many improvements, new features, more stable, enhanced for Windows 10, the new Code::Blocks release 17.12 has arrived. Get it from the **downloads** section! A **changelog** summarises new features and fixes.



# 1.1 CodeBlocks下载过程



- 点击 “Download the binary release”

**Code::Blocks** Code::Blocks - The IDE with all the features you need, having a consistent look, feel and operation across platforms.

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**Downloads**

There are different ways to download and install Code::Blocks on your computer:

- **Download the binary release**

This is the easy way for installing Code::Blocks. Download the setup file, run it on your computer and Code::Blocks will be installed, ready for you to work with it. Can't get any easier than that!

- **Download a nightly build:** There are also more recent so-called *nightly builds* available in the **forums**. Please note that we consider nightly builds to be *stable*, usually, unless stated otherwise.
- Other distributions usually follow provided by the **community** (big "Thank you!" for that!). If you want to provide some, make sure to announce in the forums such that we can put it on the official C::B homepage.

- **Download the source code**

If you feel comfortable building applications from source, then this is the recommend way to download Code::Blocks. Downloading the source code and building it yourself puts you in great control and also makes it easier for you to update to newer versions or, even better, create patches for bugs you may find and contributing them back to the community so everyone benefits.

- **Retrieve source code from SVN**

This option is the most flexible of all but requires a little bit more work to setup. It gives you that much more flexibility though because you get access to any bug-fixing we do at the time we do it. No need to wait for the next stable release to benefit from bug-fixes!

Besides Code::Blocks itself, you can compile extra plugins from contributors to extend its functionality.

Thank you for your interest in downloading Code::Blocks!

**GPL**

built with **wxWidgets** Cross-Platform GUI Library

**W3C CSS**

**GetFirefox**



## 1.1 CodeBlocks下载过程

- Windows系统的同学选择 “Codeblocks-20.03mingw-setup.exe”
- Mac OS X系统**不推荐**直接下载此页面下方提供的版本，建议装**双系统**在Windows平台下使用这个软件

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GPL 3

built with wxWidgets

W3C CSS

Get Firefox

SOURCEFORGE

Please select a setup package depending on your platform:

- Windows XP / Vista / 7 / 8.x / 10
- Linux 32 and 64-bit
- Mac OS X

NOTE: For older OS'es use older releases. There are releases for many OS version and platforms on the [Sourceforge.net](#) page.

NOTE: There are also more recent *nightly builds* available in the [forums](#) or (for Ubuntu users) in the [Ubuntu PPA repository](#). Please note that we consider nightly builds to be *stable*, usually.

NOTE: We have a [Changelog](#) for 20.03, that gives you an overview over the enhancements and fixes we have put in the new release.

NOTE: The default builds are 64 bit (starting with release 20.03). We also provide 32bit builds for convenience.

Windows XP / Vista / 7 / 8.x / 10:

File	Date	Download from
codeblocks-20.03-setup.exe	29 Mar 2020	FossHUB or Sourceforge.net
codeblocks-20.03-setup-nonadmin.exe	29 Mar 2020	FossHUB or Sourceforge.net
codeblocks-20.03-nosetup.zip	29 Mar 2020	FossHUB or Sourceforge.net
<b>codeblocks-20.03mingw-setup.exe</b>	29 Mar 2020	<b>FossHUB or Sourceforge.net</b>
codeblocks-20.03mingw-nosetup.zip	29 Mar 2020	FossHUB or Sourceforge.net
codeblocks-20.03-32bit-setup.exe	02 Apr 2020	FossHUB or Sourceforge.net
codeblocks-20.03-32bit-setup-nonadmin.exe	02 Apr 2020	FossHUB or Sourceforge.net
codeblocks-20.03-32bit-nosetup.zip	02 Apr 2020	FossHUB or Sourceforge.net
codeblocks-20.03mingw-32bit-setup.exe	02 Apr 2020	FossHUB or Sourceforge.net
codeblocks-20.03mingw-32bit-nosetup.zip	02 Apr 2020	FossHUB or Sourceforge.net

NOTE: The codeblocks-20.03-setup.exe file includes Code::Blocks with all plugins. The codeblocks-20.03-setup-nonadmin.exe file is provided for convenience to users that do not have administrator rights on their machine(s).

NOTE: The codeblocks-20.03mingw-setup.exe file includes *additionally* the GCC/G++/GFortran compiler and GDB debugger from MinGW-W64 project (version 8.1.0, 32/64 bit, SEH).

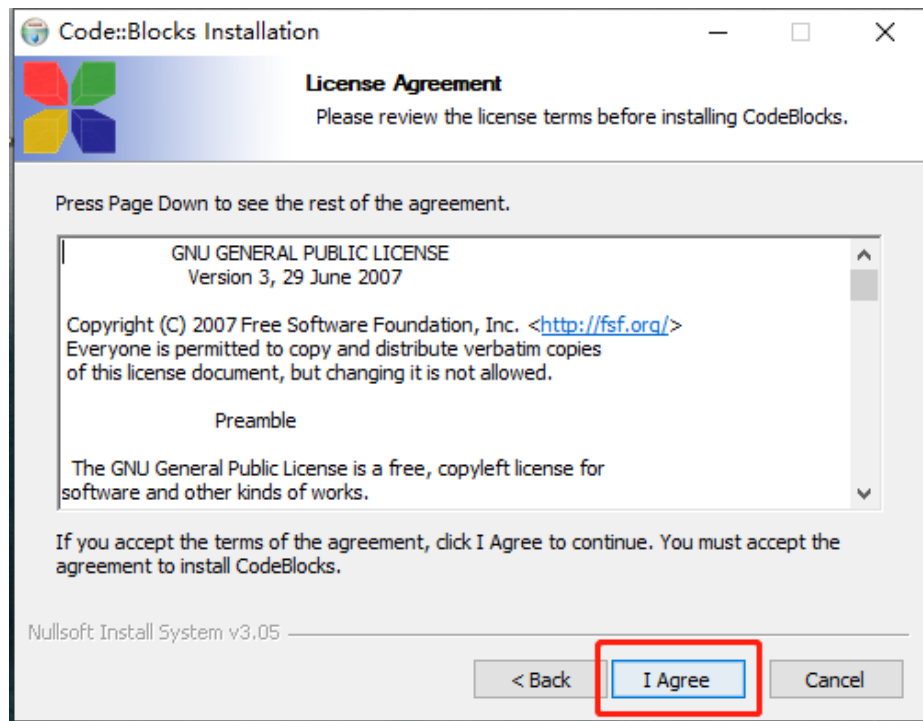
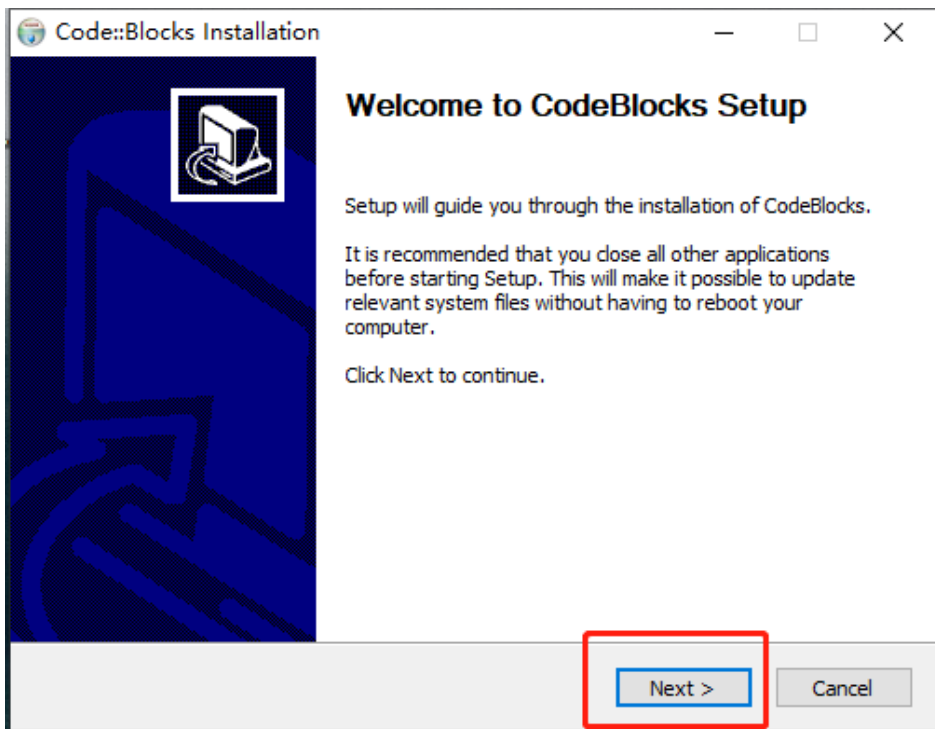
NOTE: The codeblocks-20.03(mingw)-nosetup.zip files are provided for convenience to users that are allergic against installers. However, it will not allow to select plugins / features to install (it includes everything) and not create any menu shortcuts. For the "installation" you are on your own.

*If unsure, please use codeblocks-20.03mingw-setup.exe!*

任意点击一个链接下载, 点开后等待即可



- 双击已经下载好的exe文件
- 依次点击 “Next” 、 “I Agree”

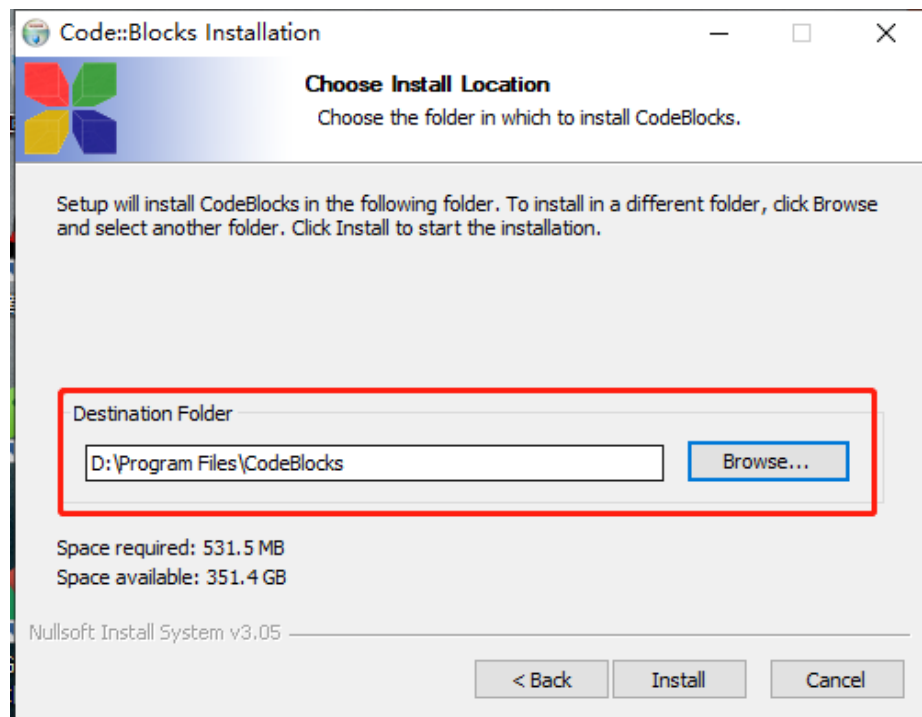
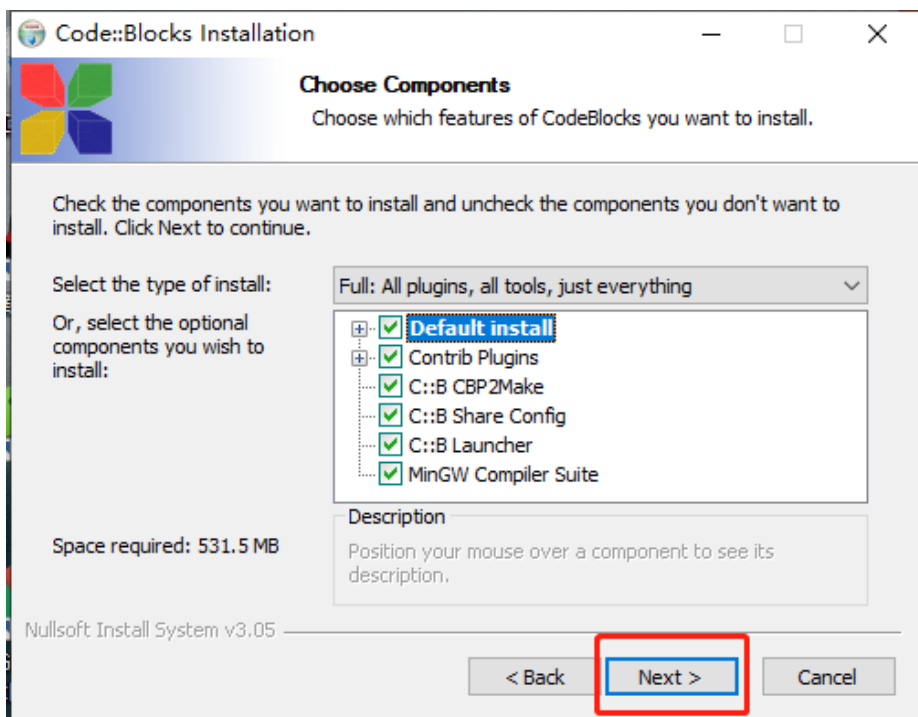




## 1.2 CodeBlocks安装过程



- 点击 “Next”
- 修改安装路径，建议不要放在C盘，记住这个路径等下会用到
- 修改好后，点击 “Install”



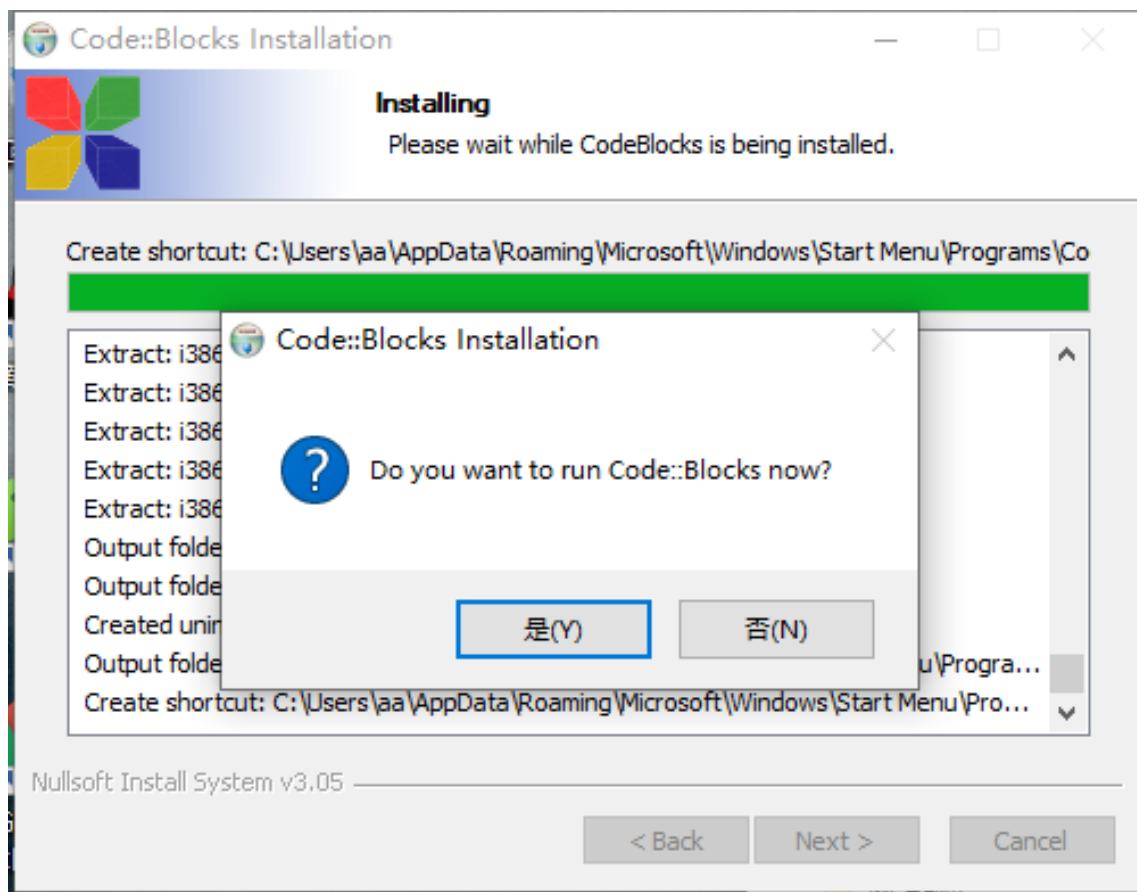




## 1.2 CodeBlocks 安装过程

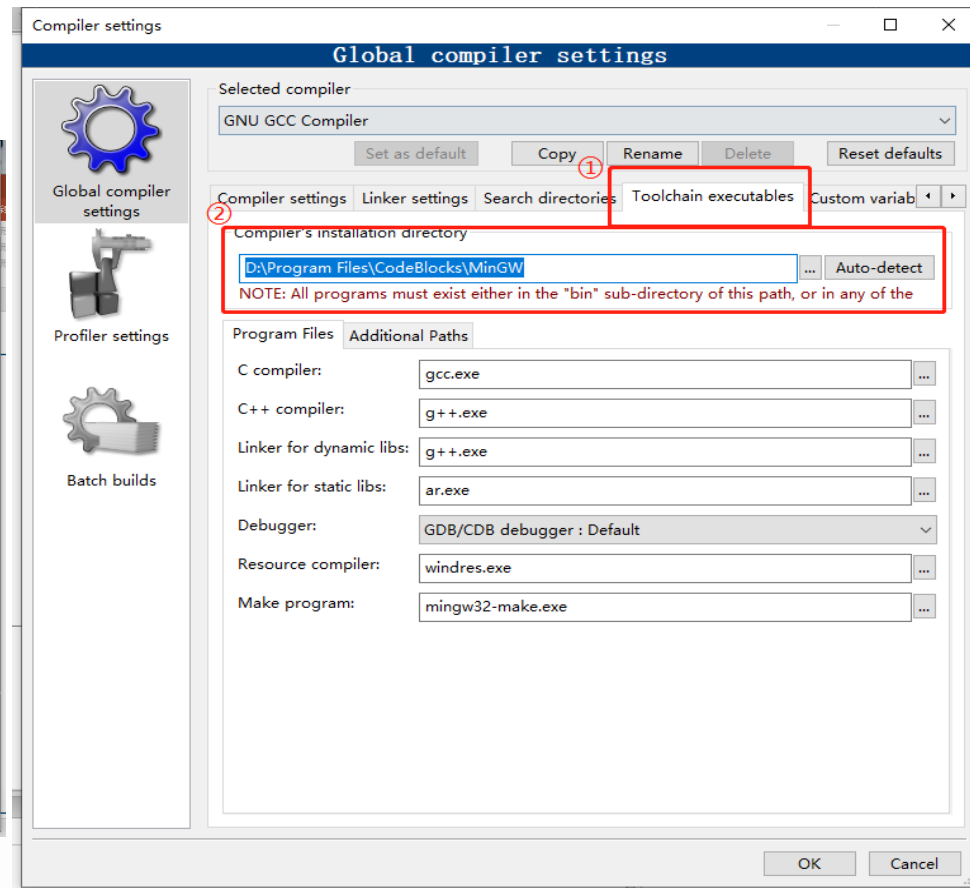
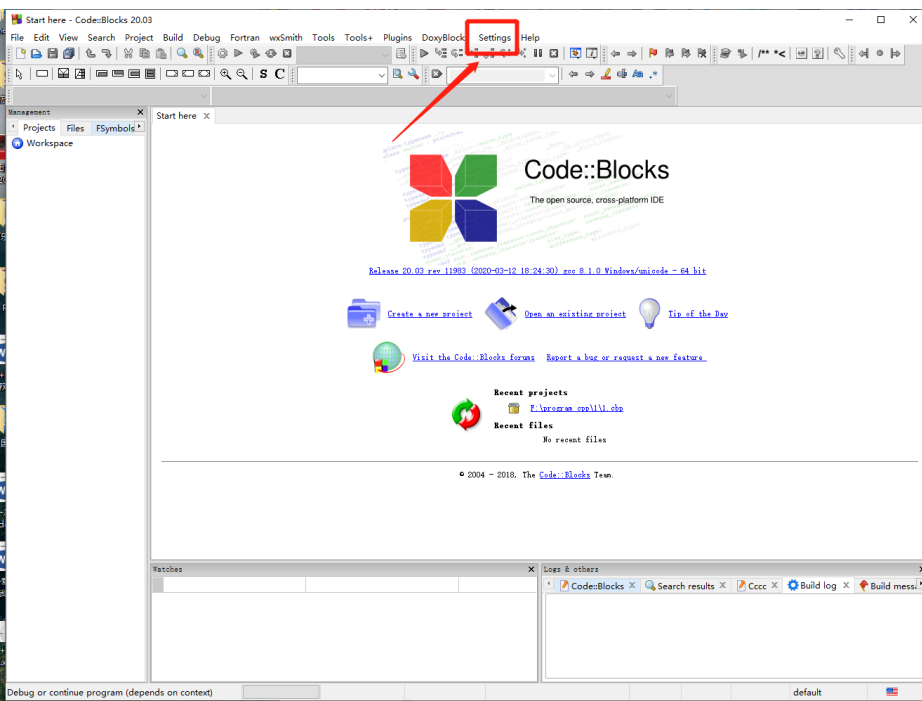


- 安装完成，根据需要选择是否现在启动CodeBlocks



## 1.3 CodeBlocks配置过程

- 打开顶端菜单栏的 “Settings” → “Compiler”
- 点击 “Toolchain executables” , 在 “Compiler’s instantiation directory” 下选择刚才安装CodeBlocks的路径中的MinGW文件夹
- 点击 “OK”





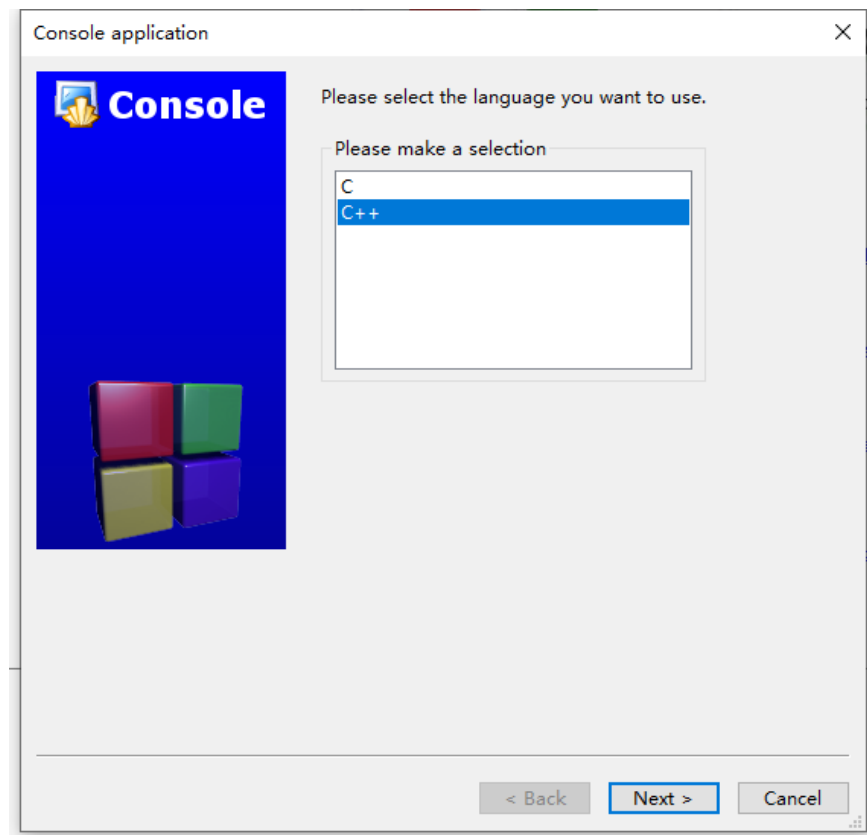
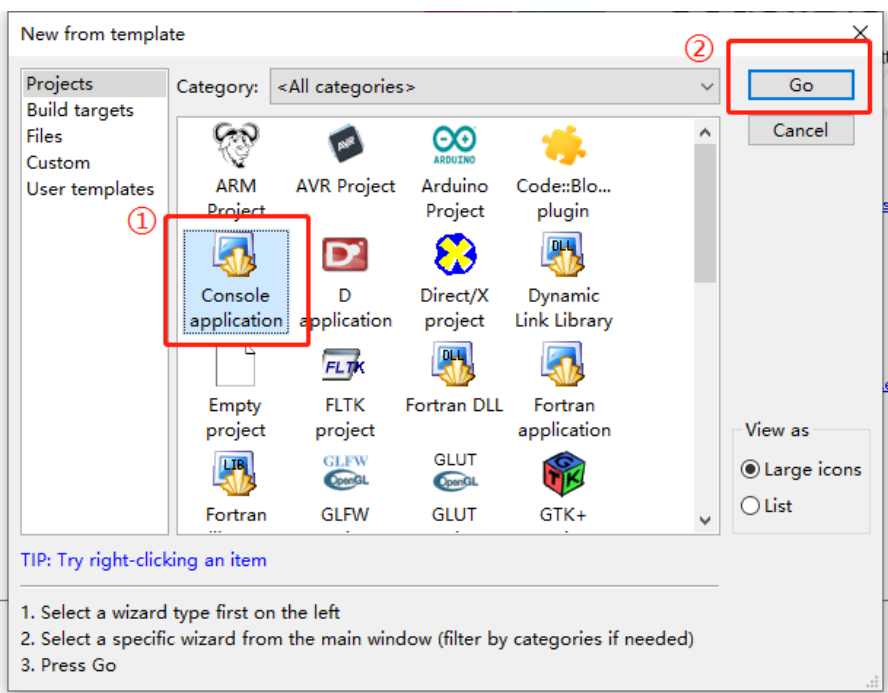
- 新建项目

- 方法一：直接点击主页面的 “Create a new project”
- 方法二：点击左上角 “File” → “New” → “Project...”



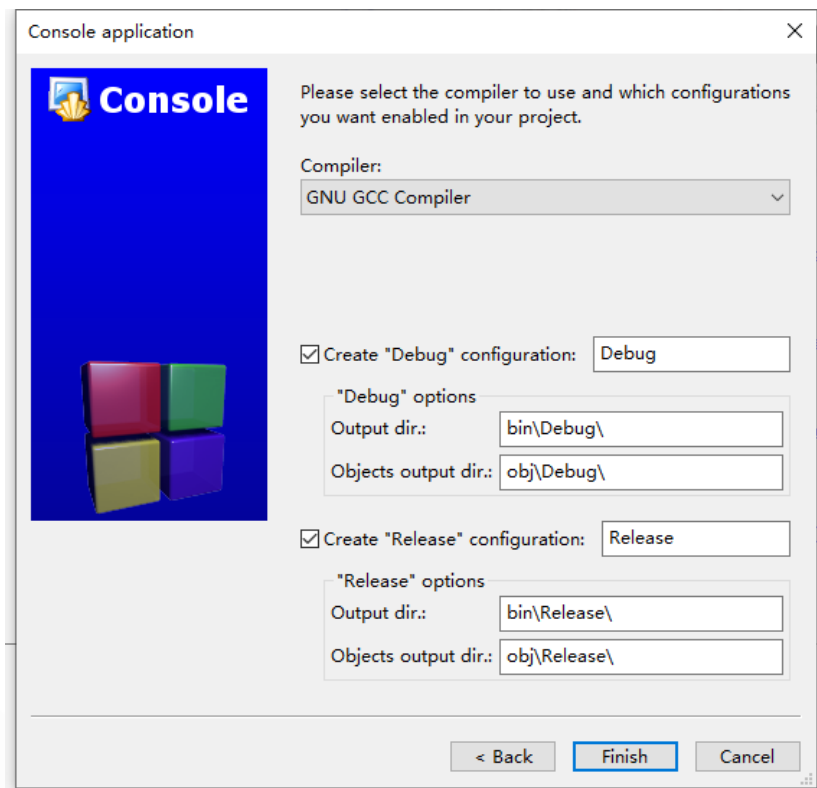
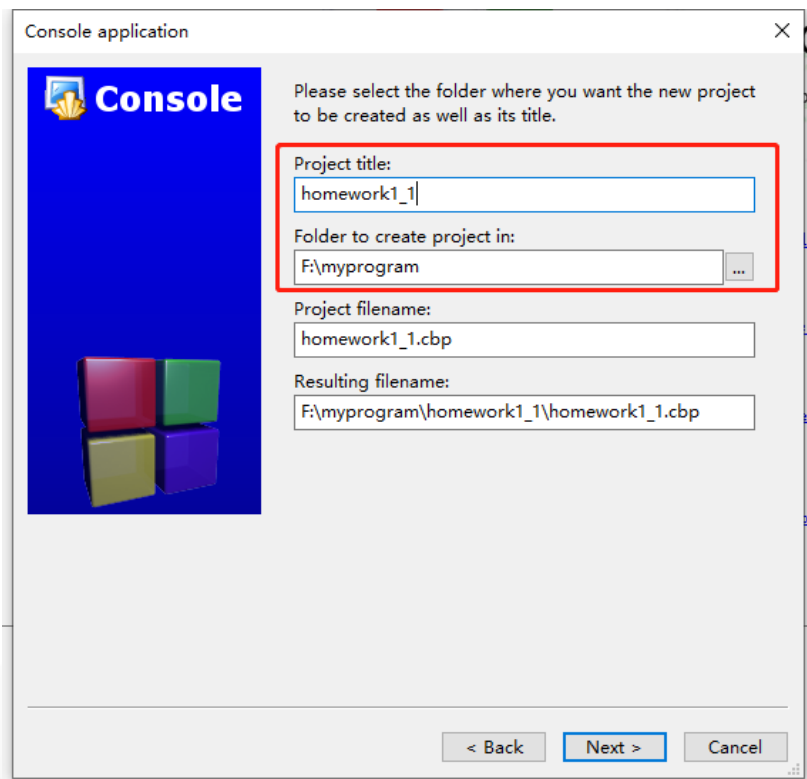
## 1.4 CodeBlocks的使用

- 在弹出的对话框选择 “**Console application**” （控制台应用）， 点击 “**Go**”
- 下一个窗口选中 “**C++**”， 点击 “**Next**”



## 1.4 CodeBlocks的使用

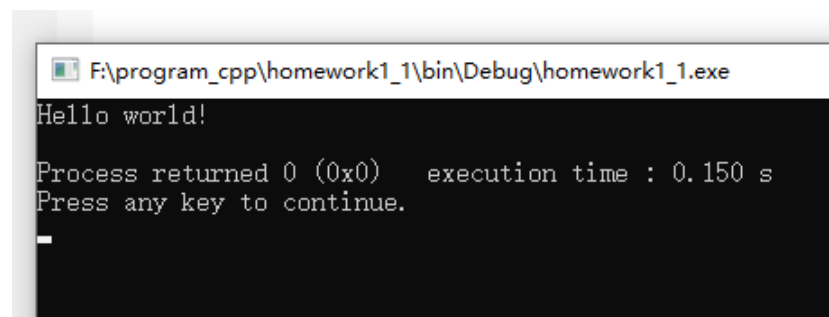
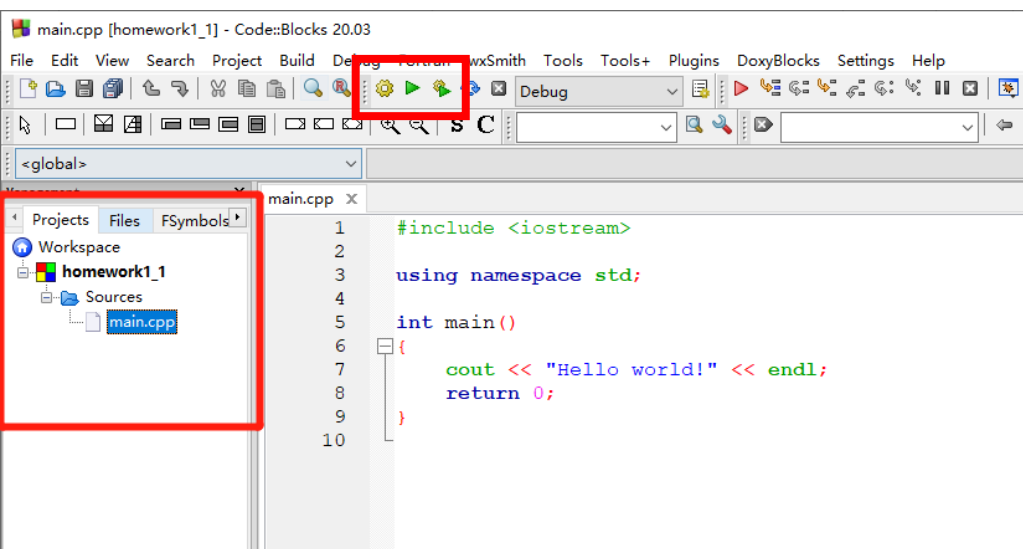
- 在 “Project title” 里创建这个项目的名称
- 在 “Folder to create project in” 里选择保存这些项目的目录
  - 注意：**此处路径中要全英文，**不要有汉字**
- 点击 “Next” ，弹出了选择编译器的对话框，一般默认即可，直接 “Finish”





## 1.4 CodeBlocks的使用

- 在左侧边栏中，点击前面的 “+” 依次展开，显示了名为 “main.cpp” 的源代码文件
- 双击 “main.cpp” 即可在右侧编写代码
- 上方工具栏中，左侧齿轮形状的为编译build，中间为运行run，右侧为编译+运行（一般点击这个即可）
- 编译没有错误后，程序便可成功运行





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EduCoder平台使用说明

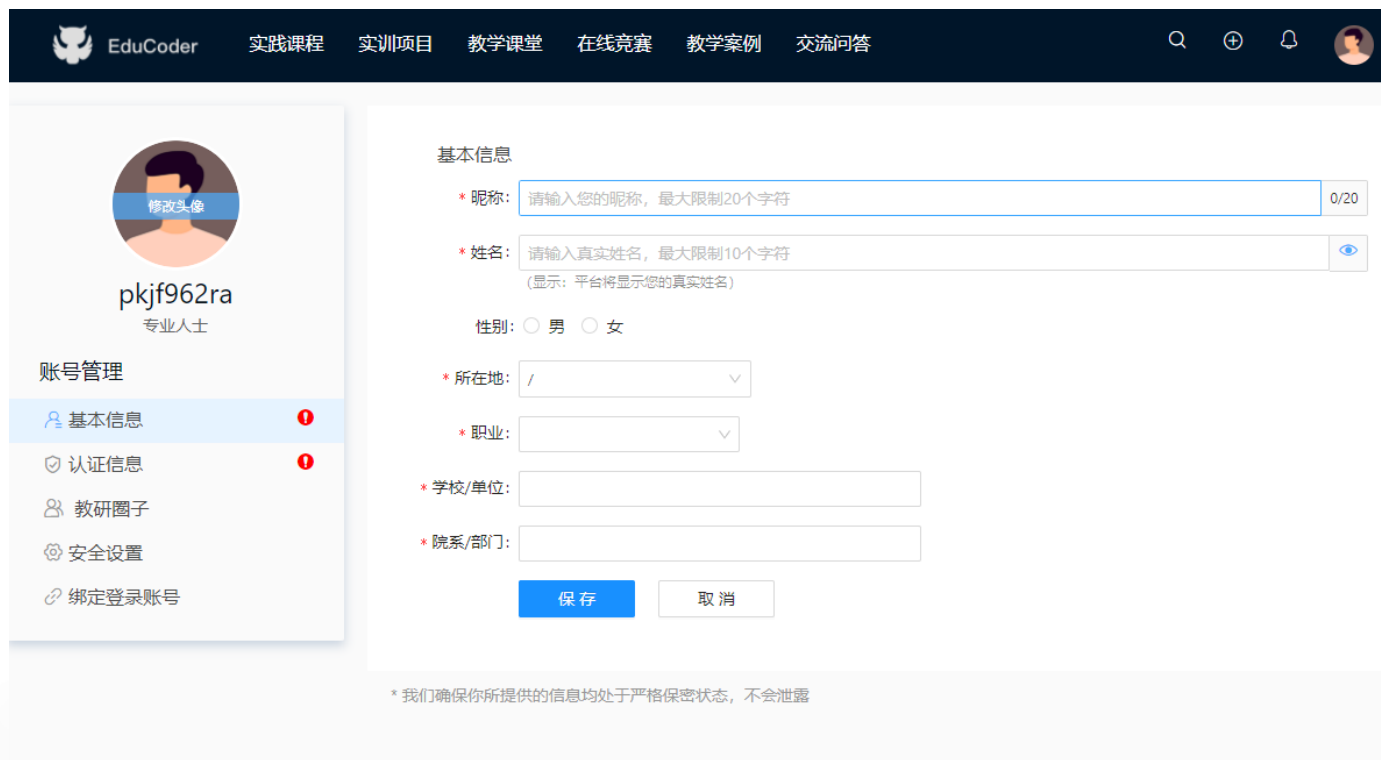




## 2 EduCoder平台使用说明



- **注册登录**：打开网址<https://www.educoder.net>
- 点击网站右上角“**注册**”，注册成功后登录账号
- 鼠标放在头像上，点击“**账号管理**”，完善自己的信息
  - 姓名和学号注意不要输入错误





## 2 EduCoder平台使用说明



- 完善信息以后，鼠标放在右上角的“+”，点击“**加入教学课堂**”
- 输入课堂邀请码“**B694N**”，身份选择“**学生/参赛者**”



学校/单位: 上海交通大学

加入课堂

课堂邀请码:

身份: ☐ 教师 ☐ 助教 ☒ 学生/参赛者



## 2 EduCoder平台使用说明



- 点击左侧的“分班”，根据自己的分组情况加入相应的小组即可
- 后续的一些作业和测试会使用此平台进行





## 2 EduCoder平台使用说明



### • 平台熟悉

- 点击左侧“**试卷**”，选择“**第一次作业**”，选择“**开始答题**”
- 简答题的答题框可以点击上方的图标实现插入代码、图片等操作

实训作业

普通作业

分组作业

**试卷**

资源

视频直播

分班

签到

试卷

共 2 个试卷 已发布 2 个 未发布 0 个

请输入名称进行搜索

全部

考试中

已截止

第一次作业

考试中

查看详情

**开始答题**

胡亮

已提交人数 0/2

考试中人数: 0

待评阅试卷: 0

考试剩余时间: 4 天 8 小时 18 分

44、简答题 (10.0分)

设计一个算法，判断输入的年份是否为闰年。用流程图表示。

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插入代码

插入图片