VS code简单操作

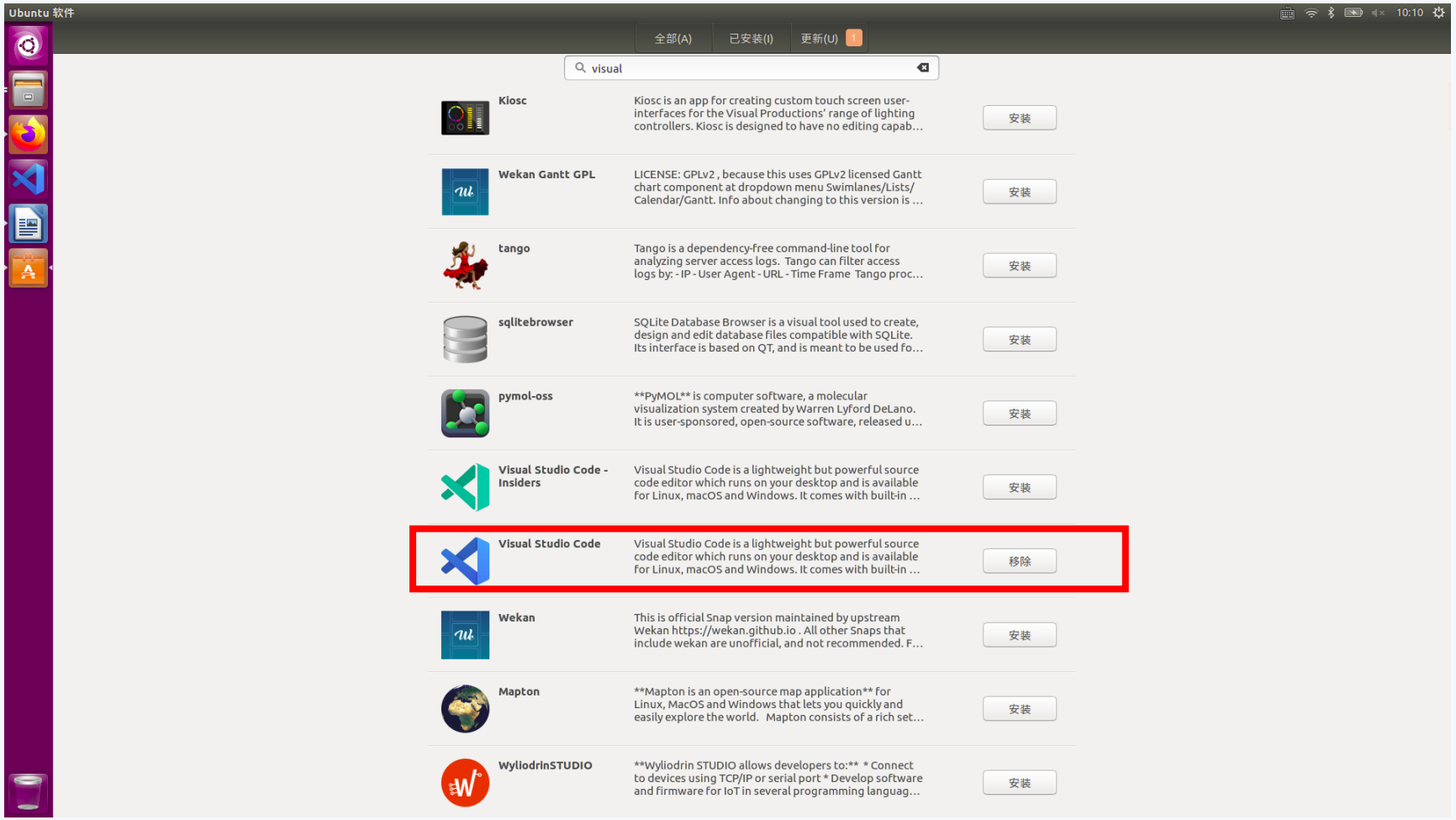
目录

PART ONE

安装方法

安装方法

方法1 从Ubuntu软件商店安装

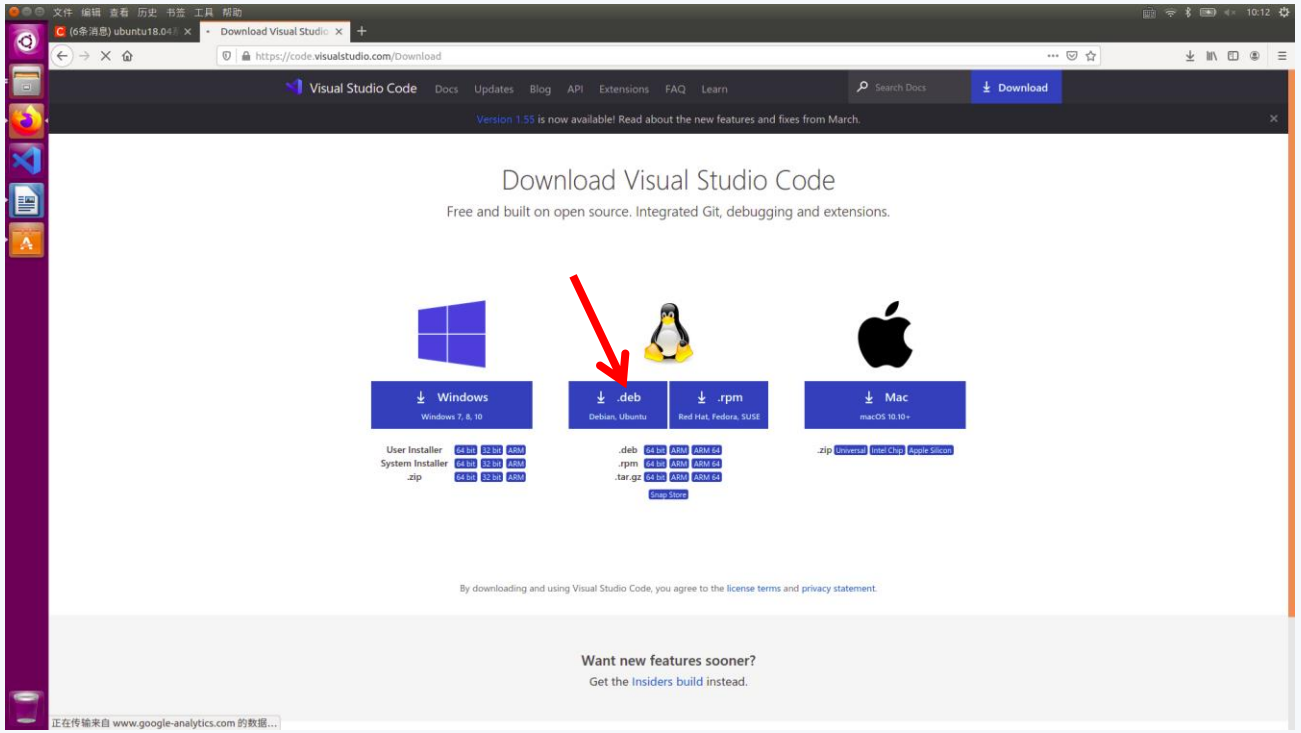


安装方法

方法2 通过命令安装

1. sudo add-apt-repository ppa:ubuntu-desktop/ubuntu-make
2. sudo apt-get update
3. sudo apt-get install ubuntu-make
4. umake ide visual-studio-code（该步需要指定安装路径choose installation path
   再根据提示输入a即可安装完成

方法3 官网下载安装包（https://code.visualstudio.com/Download ）



在安装路径对应的终端，输入以下命令：

sudo dpkg -i code_1.49.3-1601661857_amd64.deb

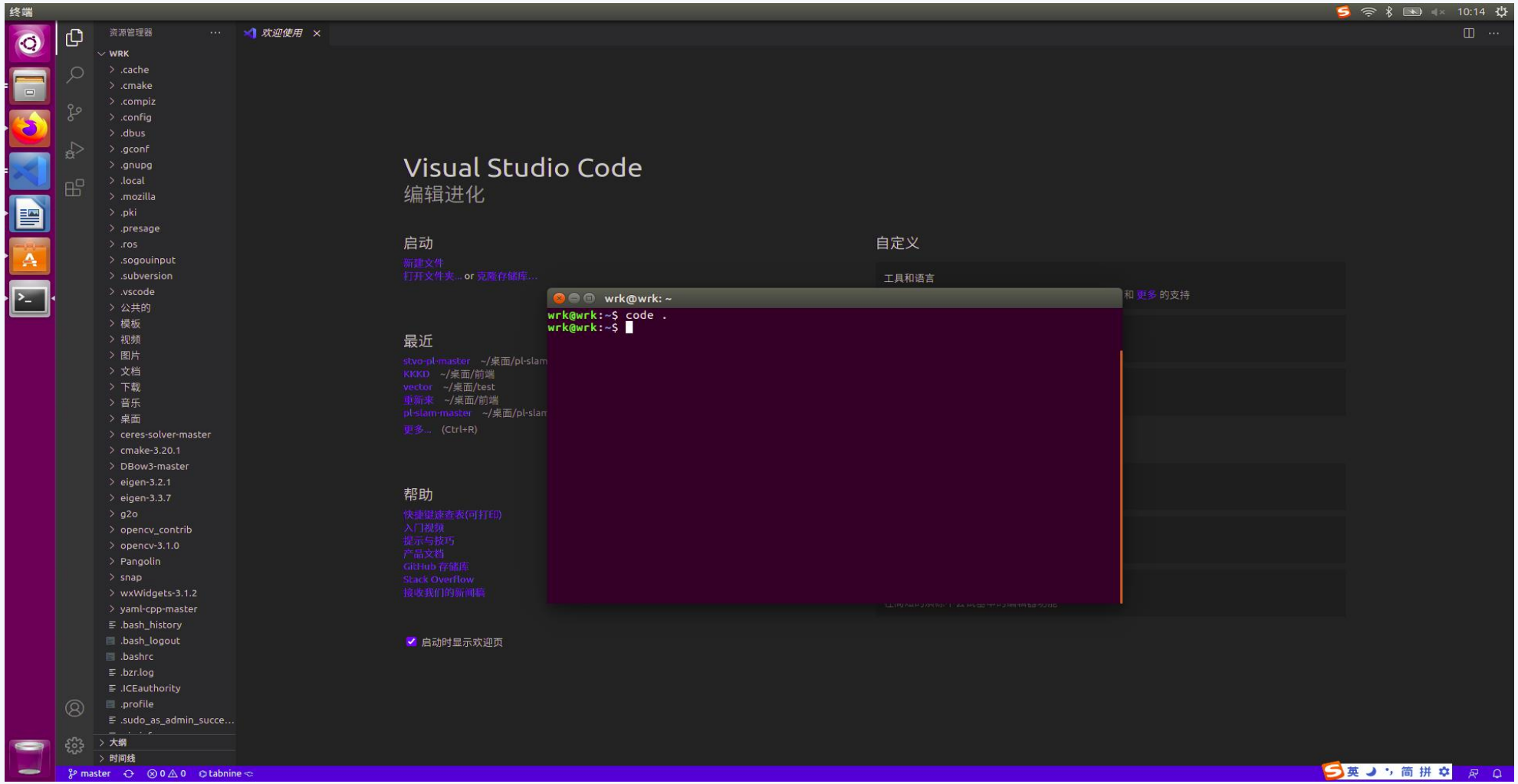
PART TWO

启动方式

启动方式

方式 1

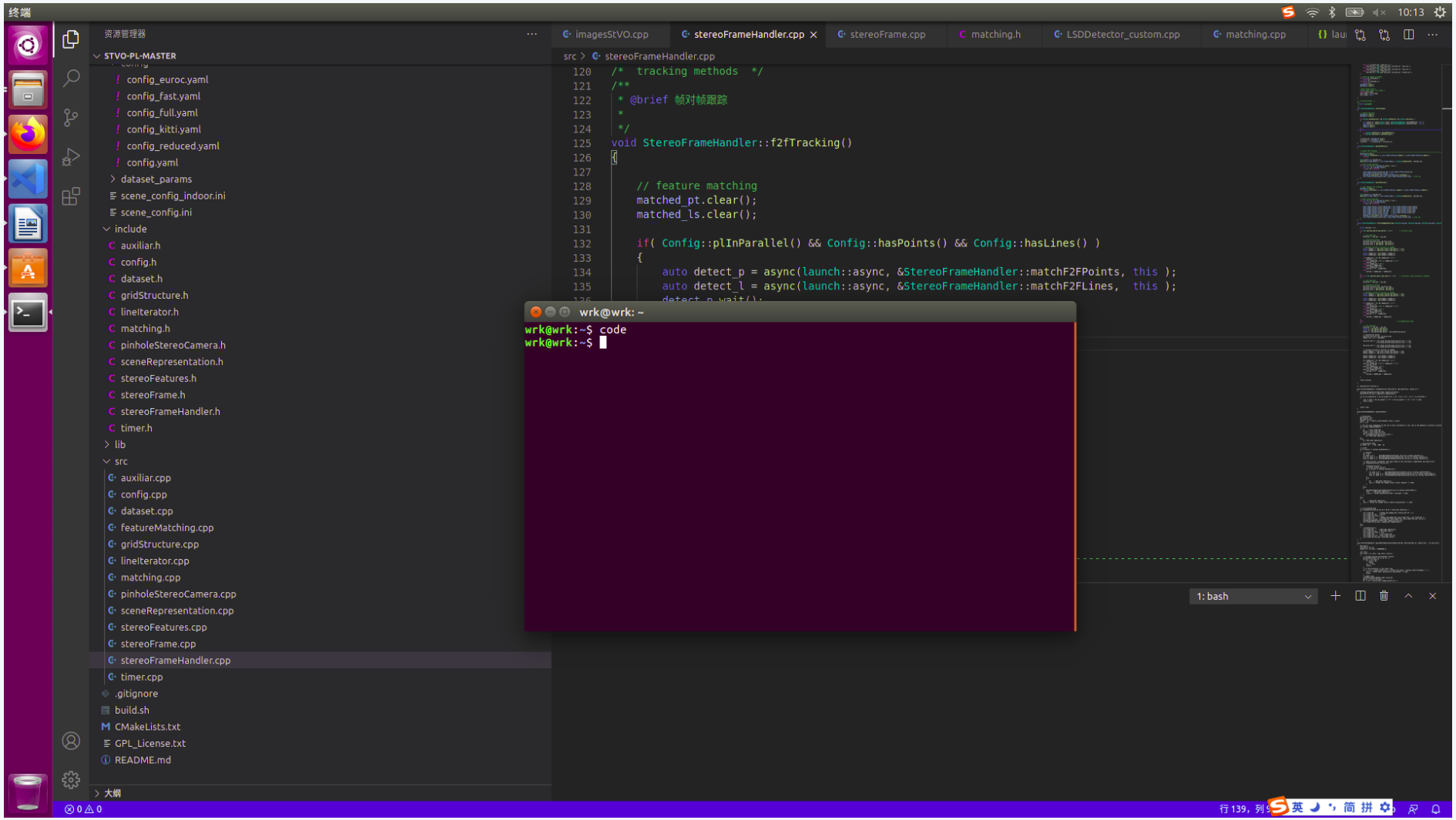
输入： code .



启动方式

方式 2

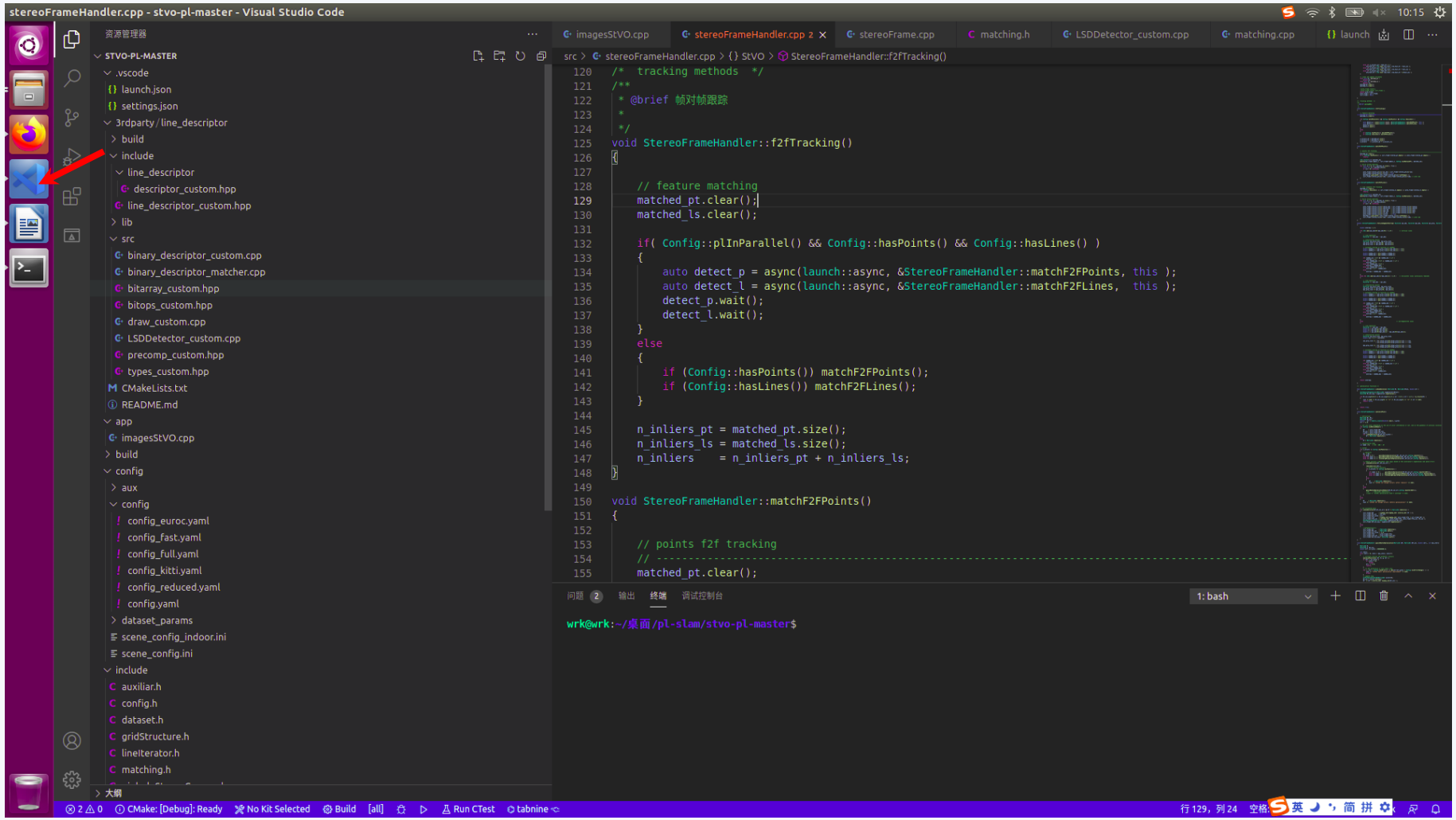
输入： code



启动方式

方式 3

点击启动程序

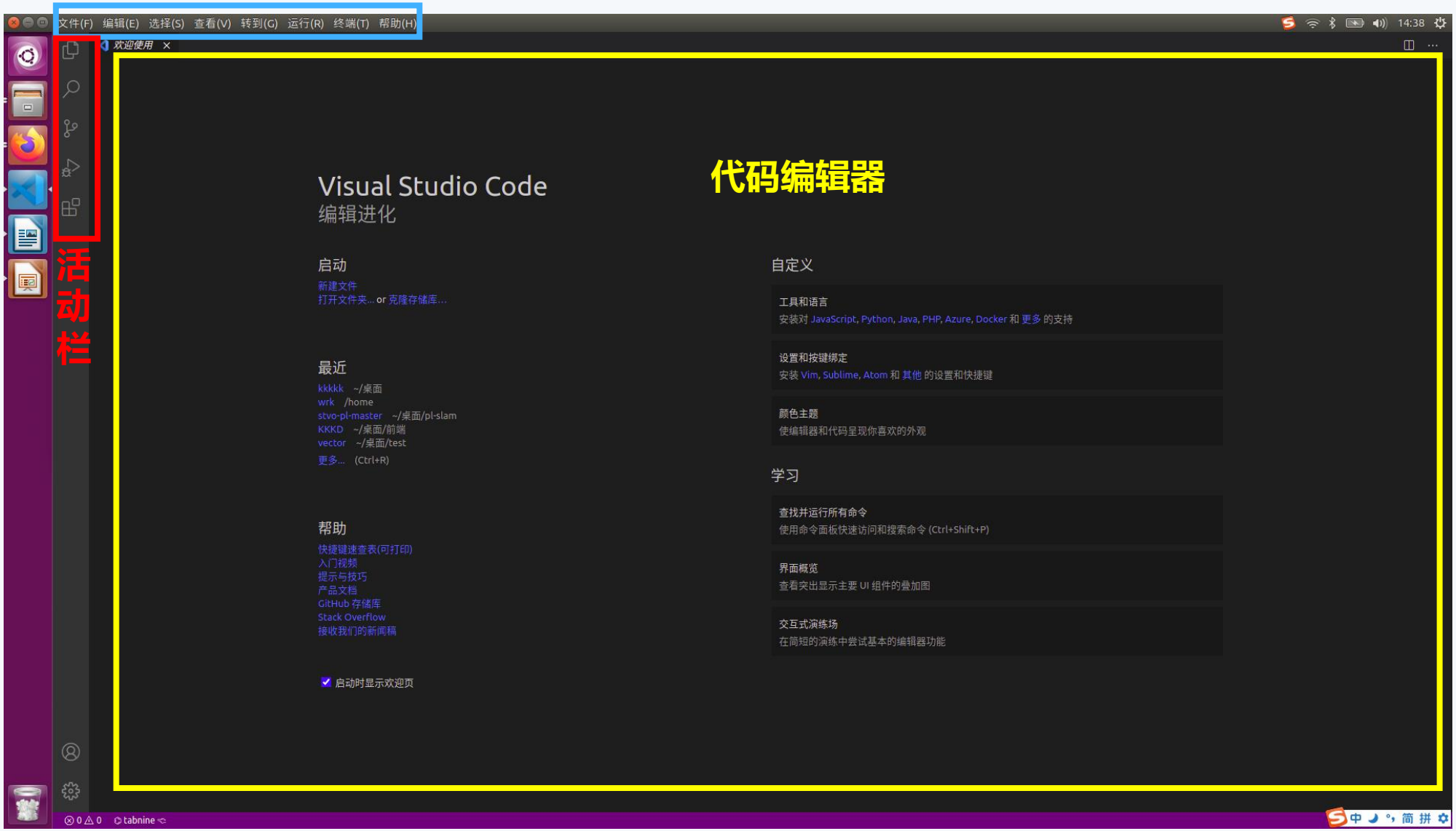


PART THREE

界面介绍

界面介绍

菜单栏

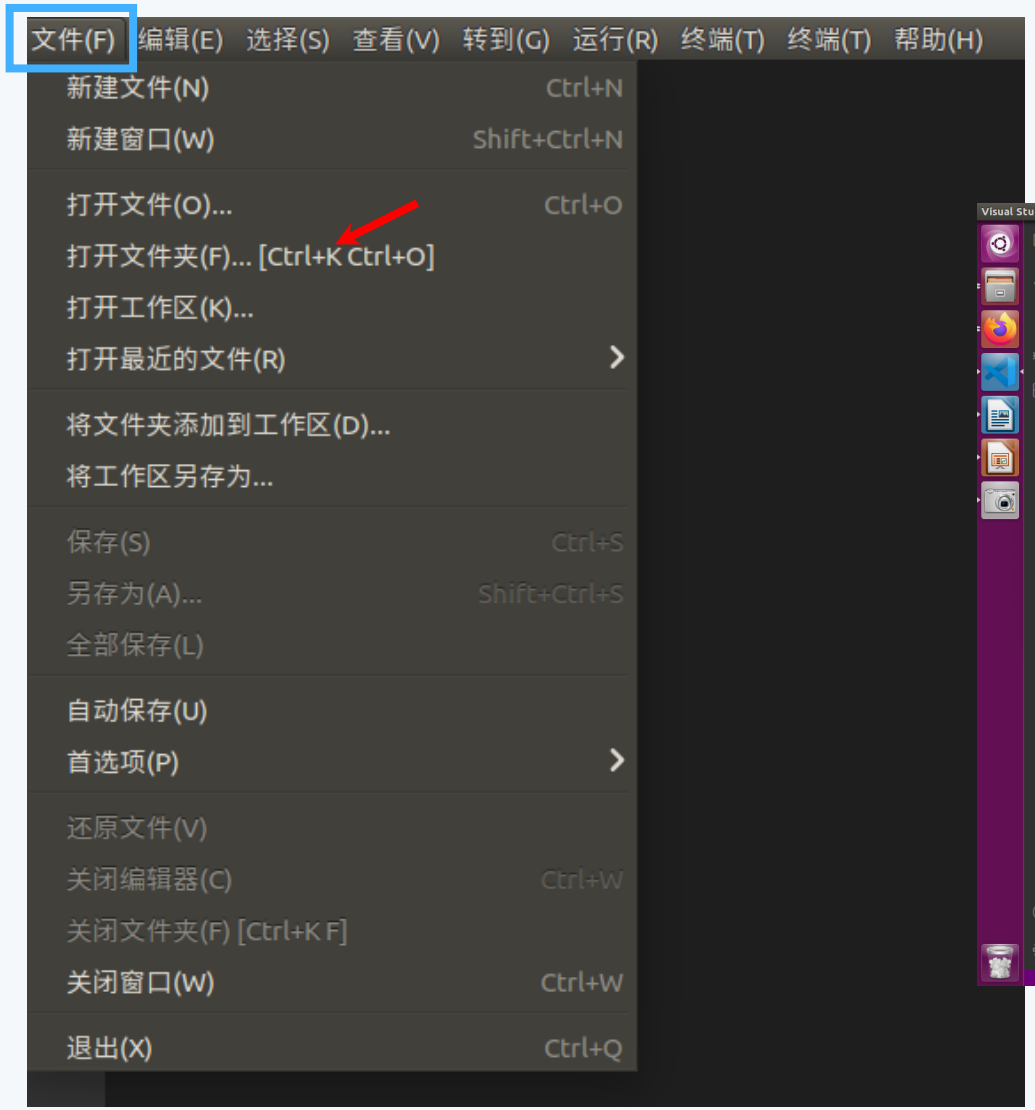

文件(F) 编辑(E) 选择(S) 查看(V) 转到(G) 运行(R) 终端(T) 帮助(H)
14:38
欢迎使用
活动栏
代码编辑器
Visual Studio Code
编辑进化
启动
新建文件
打开文件夹... or 克隆存储库...
最近
kkkkk ~/桌面
wrk /home
stvo-pl-master ~/桌面/pl-slam
KKKD ~/桌面/前端
vector ~/桌面/test
更多... (Ctrl+R)
帮助
快捷键速查表(可打印)
入门视频
提示与技巧
产品文档
GitHub 存储库
Stack Overflow
接收我们的新闻稿
启动时显示欢迎页
自定义
工具和语言
安装对 JavaScript, Python, Java, PHP, Azure, Docker 和 更多 的支持
设置和按键绑定
安装 Vim, Sublime, Atom 和 其他 的设置和快捷键
颜色主题
使编辑器和代码呈现你喜欢的外观
学习
查找并运行所有命令
使用命令面板快速访问和搜索命令 (Ctrl+Shift+P)
界面概览
查看突出显示主要 UI 组件的叠加图
交互式演练场
在简短的演练中尝试基本的编辑器功能
tabnine

界面介绍

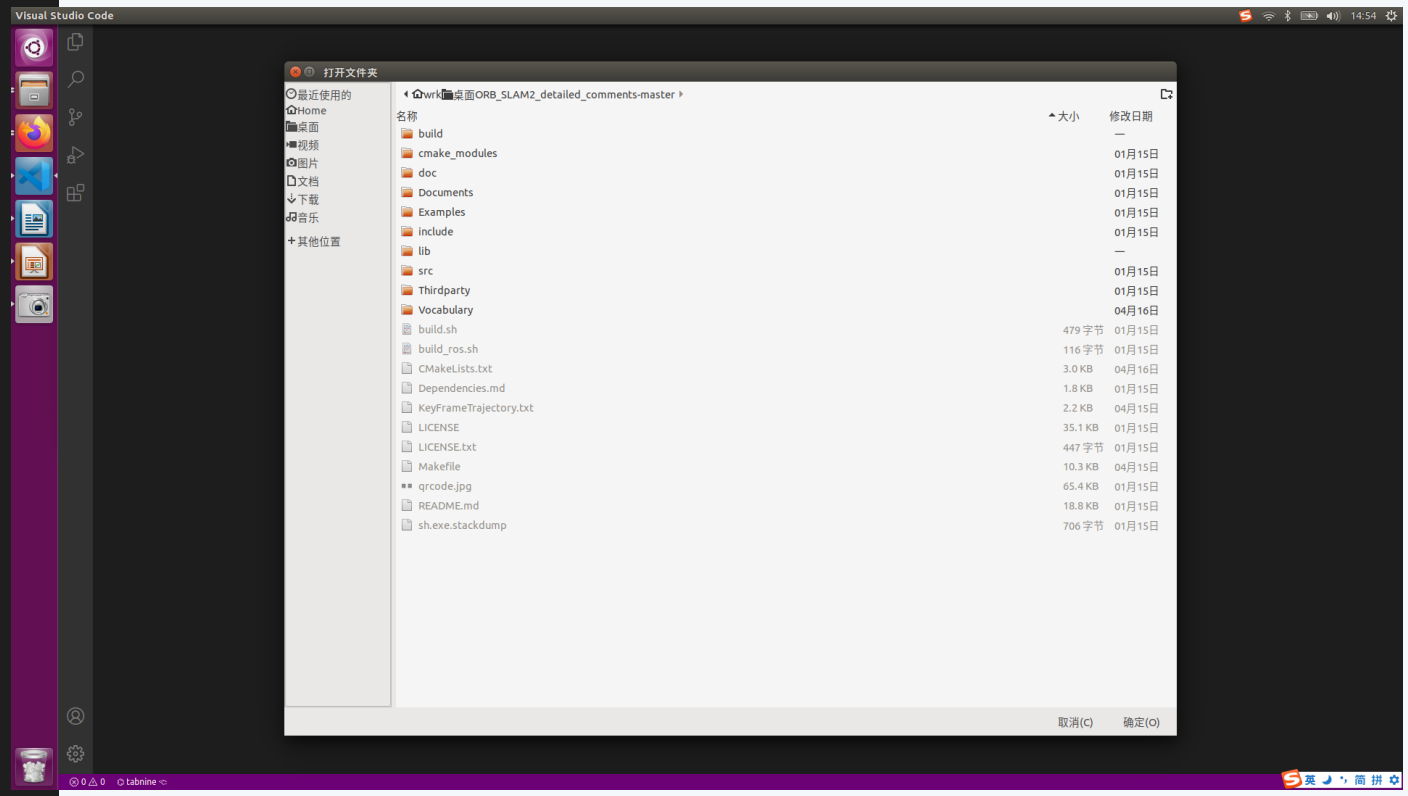
2.1 菜单栏


文件(F) 编辑(E) 选择(S) 查看(V) 转到(G) 运行(R) 终端(T) 帮助(H)
欢迎使用
Visual Studio Code
编辑进化
启动
新建文件
打开文件夹... or 克隆存储库...

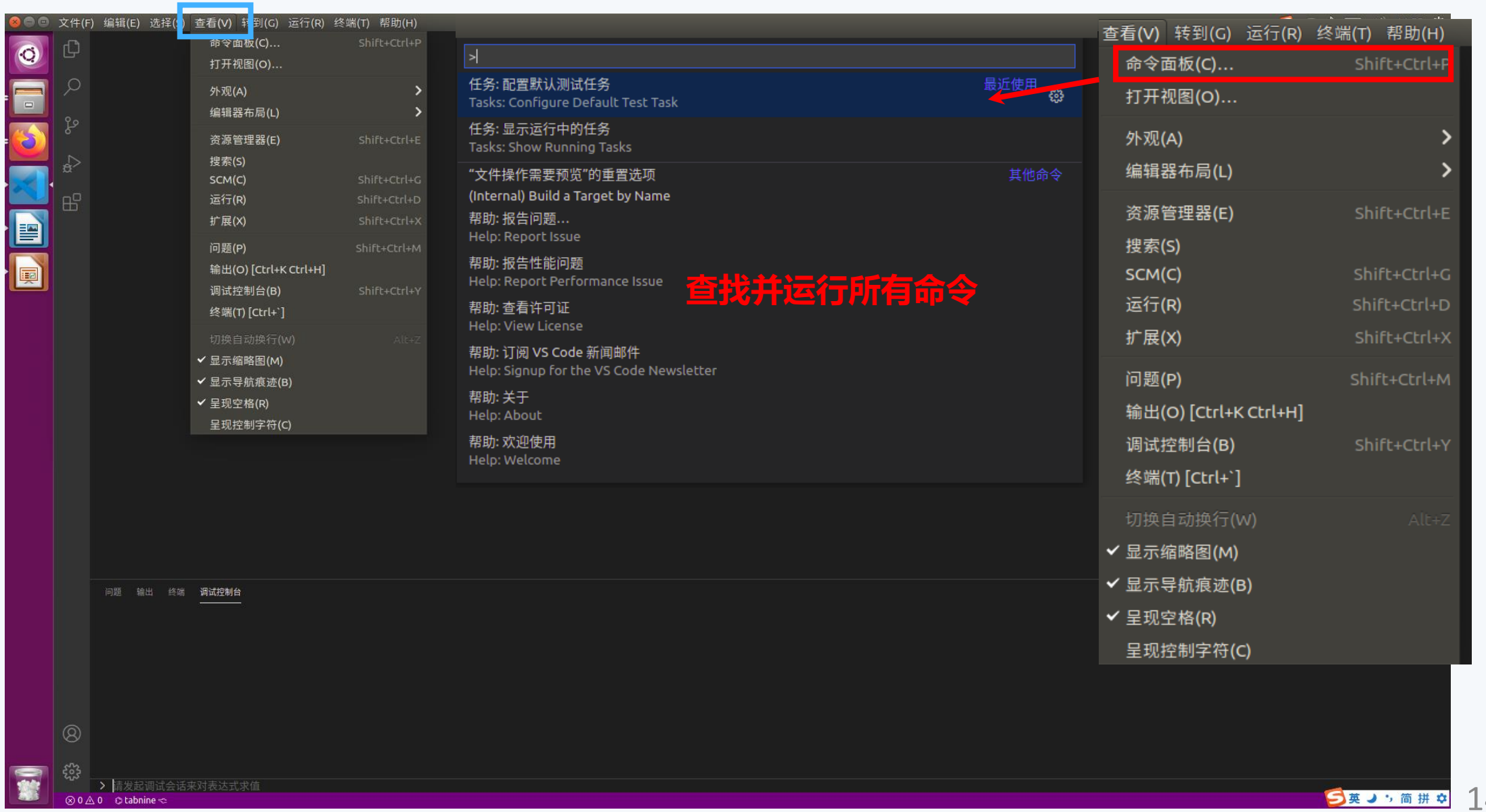
界面介绍



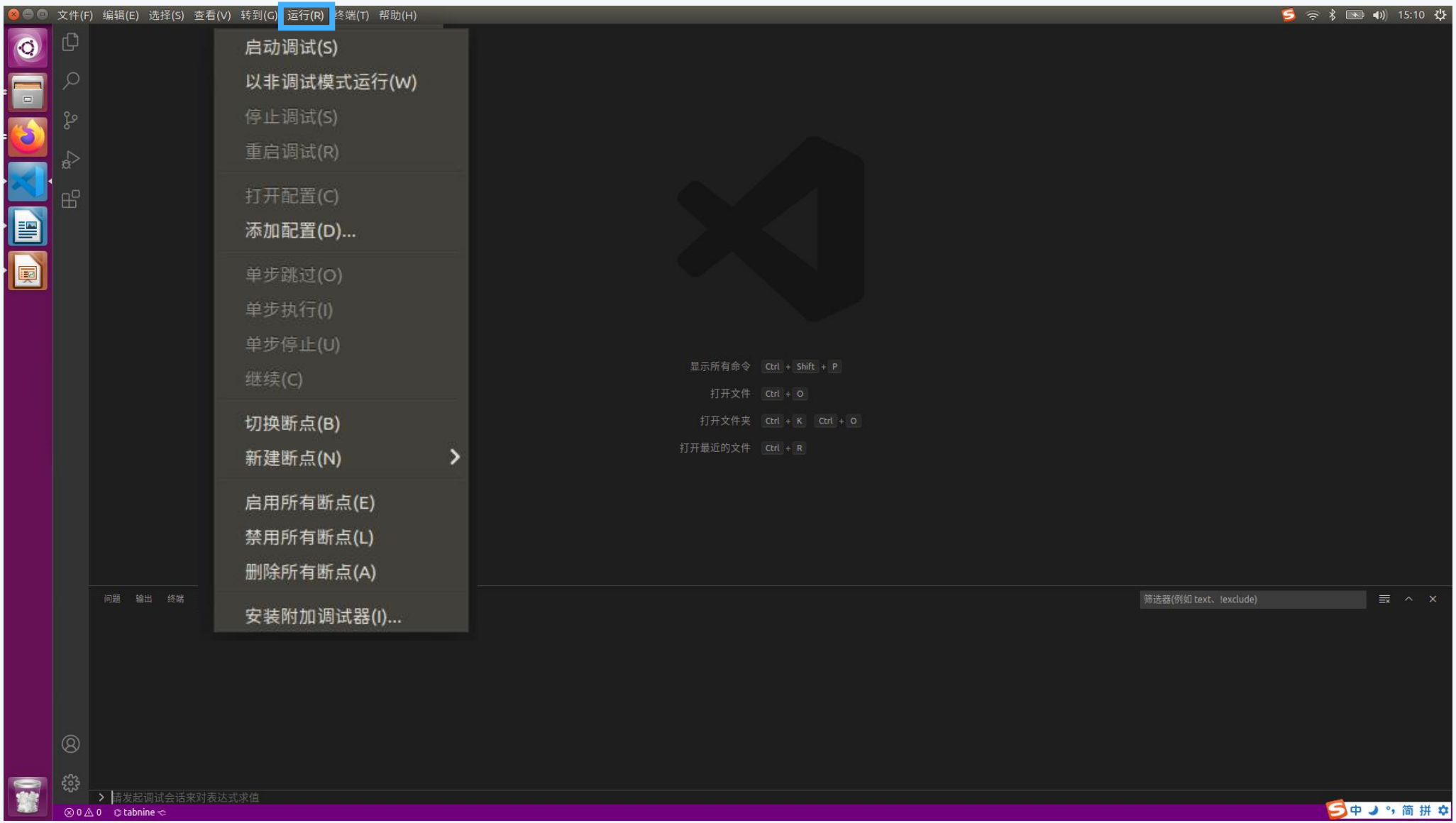
相当于在终端运行程序的时候通常需要在文件夹目录下打开终端



界面介绍

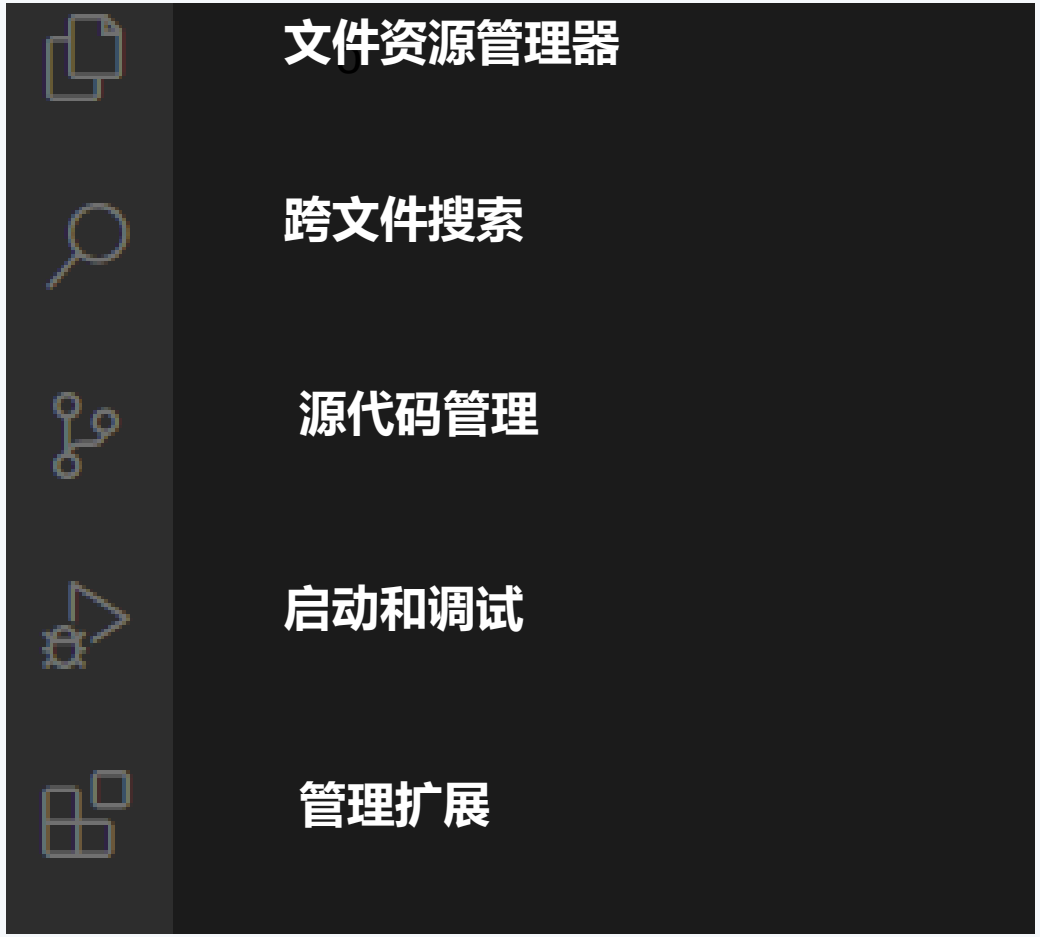

文件(F) 编辑(E) 选择(S) 查看(V) 转到(G) 运行(R) 终端(T) 帮助(H)
命令面板(C)... Shift+Ctrl+P
打开视图(O)...
外观(A)
编辑器布局(L)
资源管理器(E) Shift+Ctrl+E
搜索(S)
SCM(C) Shift+Ctrl+G
运行(R) Shift+Ctrl+D
扩展(X) Shift+Ctrl+X
问题(P) Shift+Ctrl+M
输出(O) [Ctrl+K Ctrl+H]
调试控制台(B) Shift+Ctrl+Y
终端(T) [Ctrl+`]
切换自动换行(W) Alt+Z
显示缩略图(M)
显示导航痕迹(B)
呈现空格(R)
呈现控制字符(C)
任务: 配置默认测试任务
Tasks: Configure Default Test Task
最近使用
任务: 显示运行中的任务
Tasks: Show Running Tasks
"文件操作需要预览"的重置选项
(Internal) Build a Target by Name
其他命令
帮助: 报告问题...
Help: Report Issue
帮助: 报告性能问题
Help: Report Performance Issue
帮助: 查看许可证
Help: View License
帮助: 订阅 VS Code 新闻邮件
Help: Signup for the VS Code Newsletter
帮助: 关于
Help: About
帮助: 欢迎使用
Help: Welcome
查找并运行所有命令
问题 输出 终端 调试控制台
请发起调试会话来对表达式求值
tabnine

界面介绍


文件(F) 编辑(E) 选择(S) 查看(V) 转到(G) 运行(R) 终端(T) 帮助(H)
15:10
启动调试(S)
以非调试模式运行(W)
停止调试(S)
重启调试(R)
打开配置(C)
添加配置(D)...
单步跳过(O)
单步执行(I)
单步停止(U)
继续(C)
切换断点(B)
新建断点(N)
启用所有断点(E)
禁用所有断点(L)
删除所有断点(A)
安装附加调试器(I)...
显示所有命令 Ctrl + Shift + P
打开文件 Ctrl + O
打开文件夹 Ctrl + K Ctrl + O
打开最近的文件 Ctrl + R
问题 输出 终端
筛选器(例如 text、!exclude)
请发起调试会话来对表达式求值
tabnine

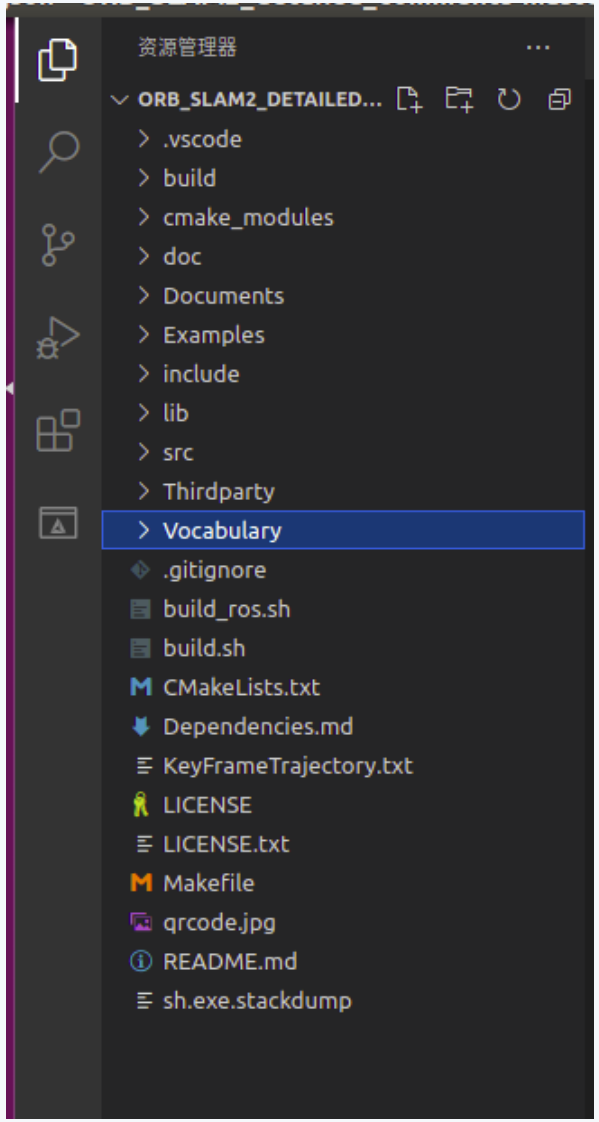
界面介绍

2.1 活动栏

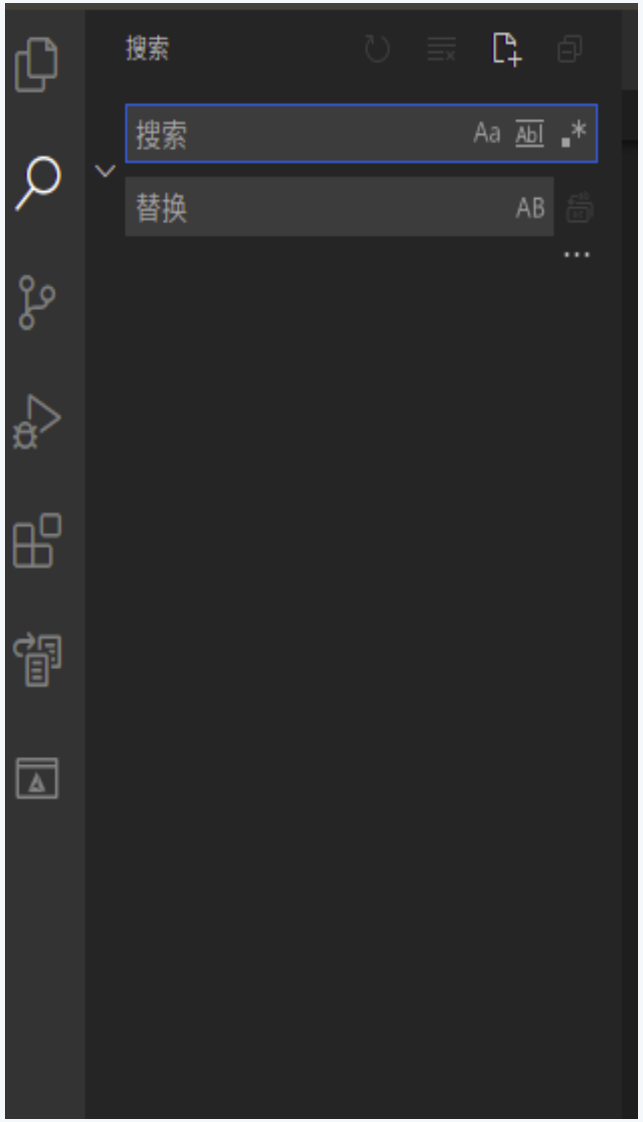


界面介绍

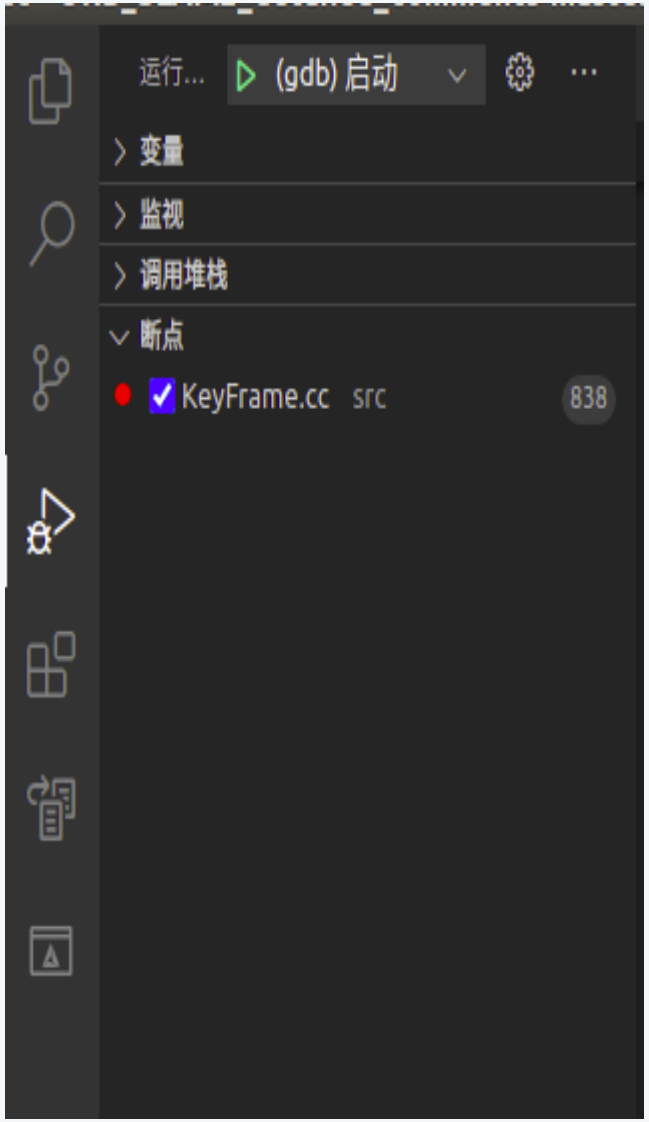
文件资源管理器



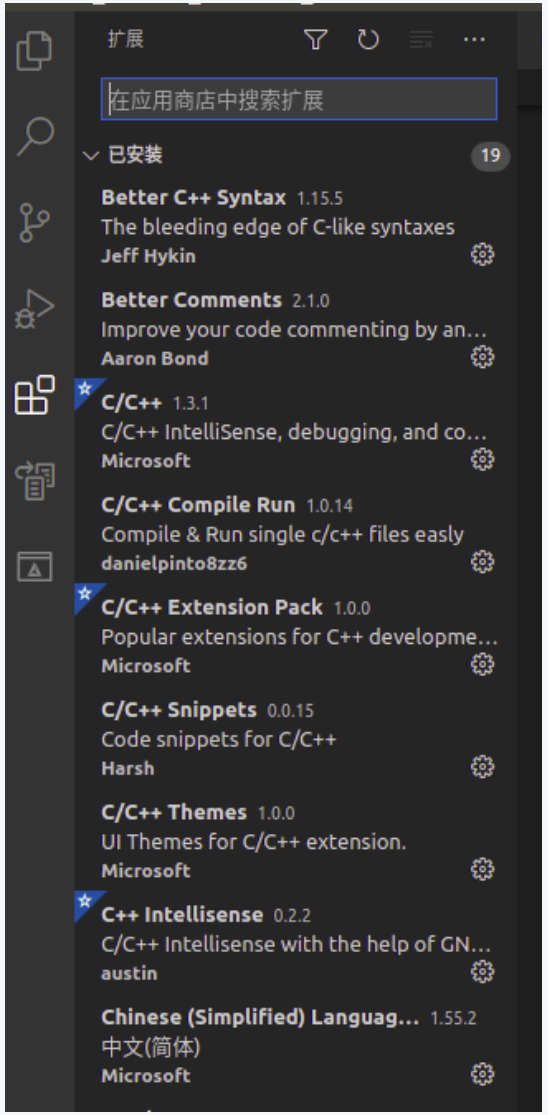
跨文件搜索



启动和调试



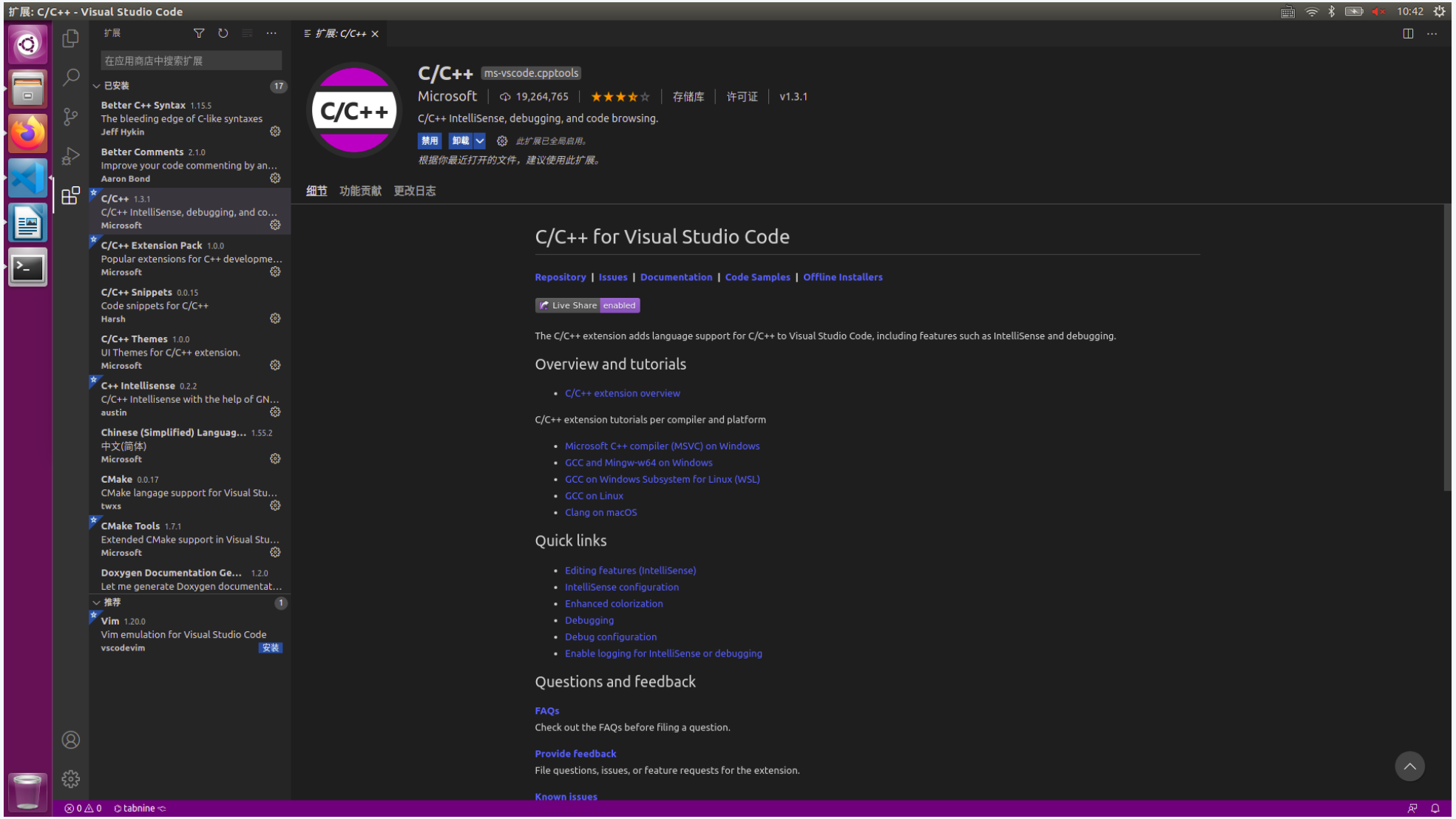
管理扩展



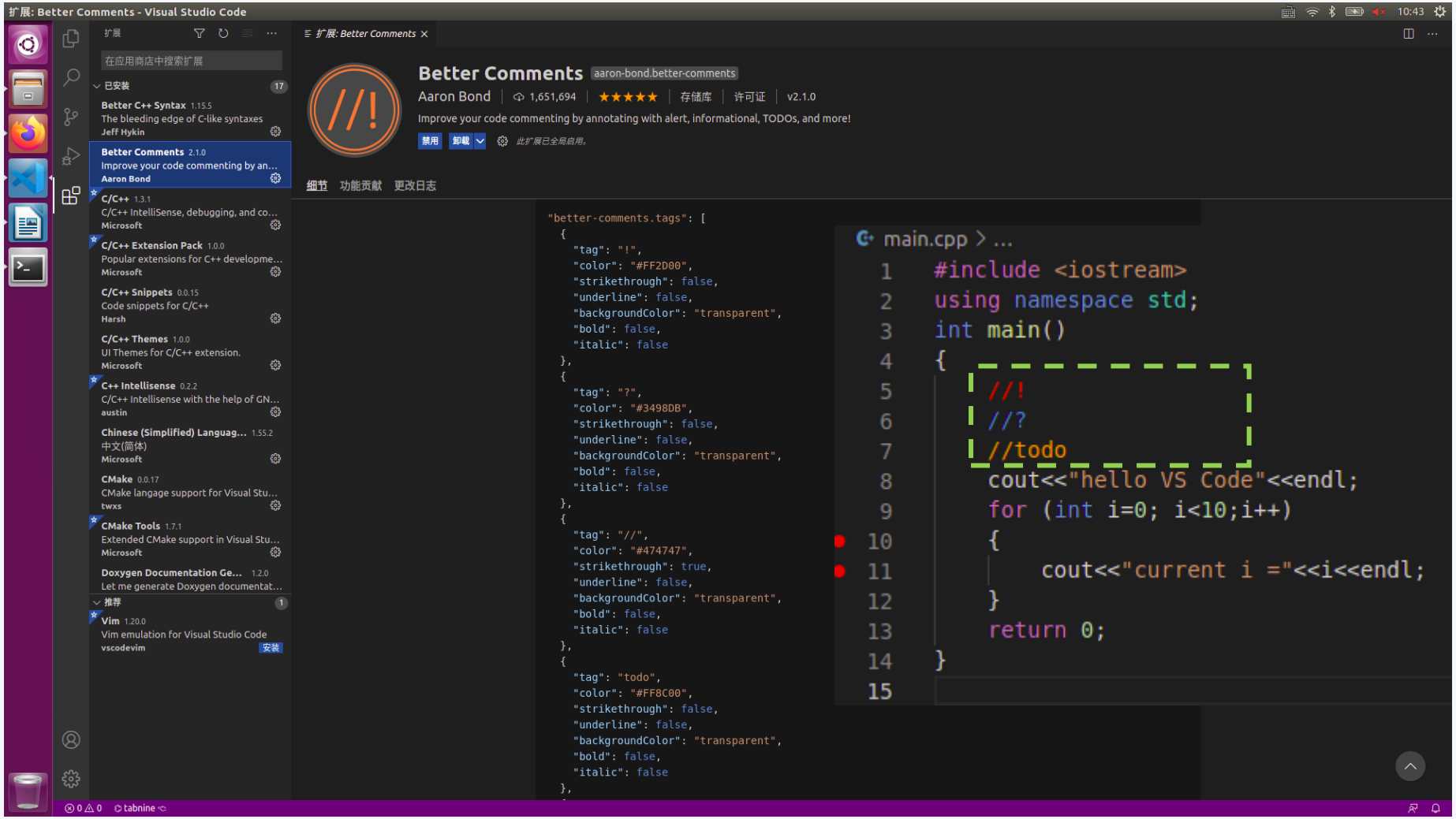
PART FOUR

扩展包

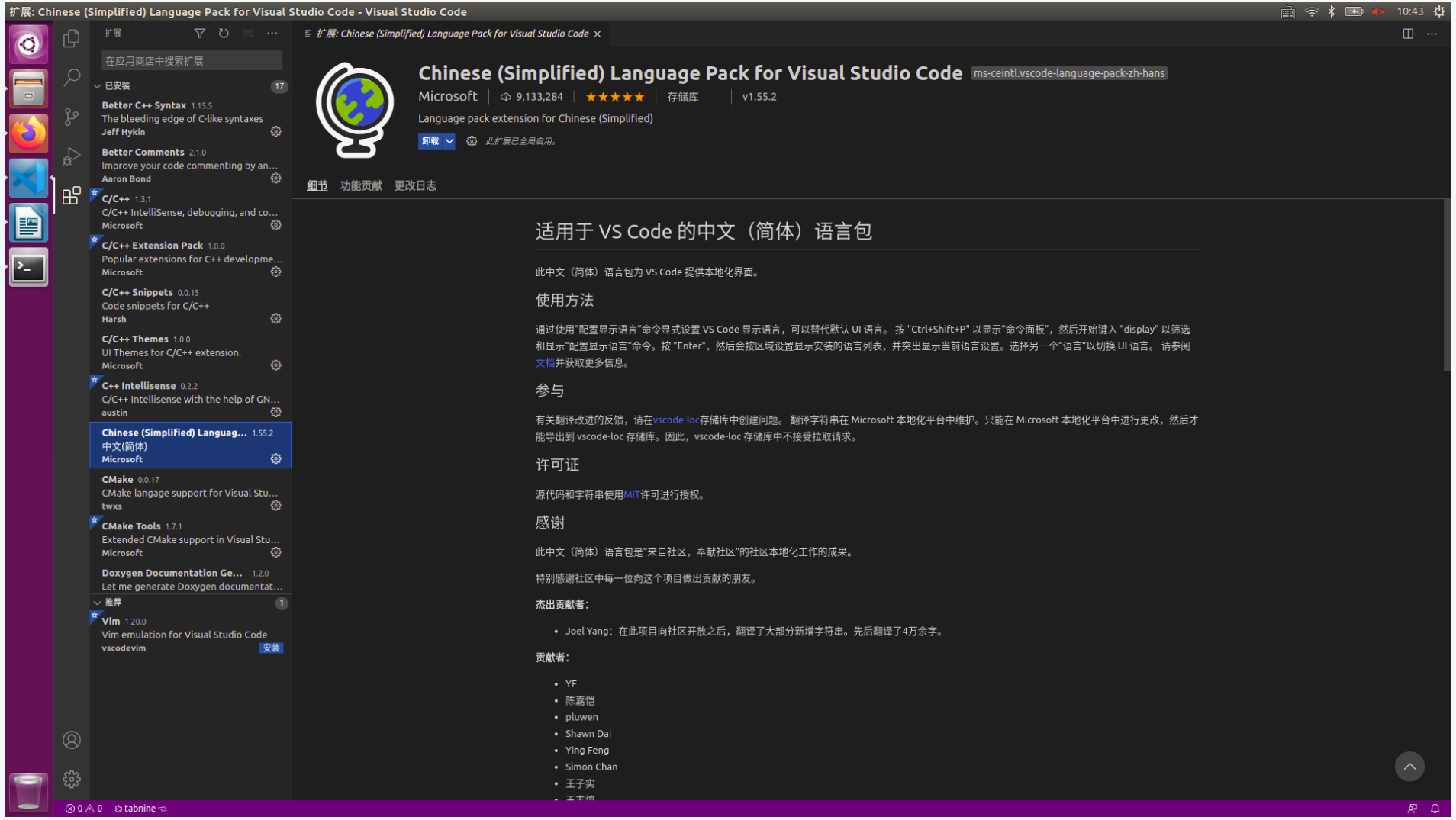
扩展包


扩展: C/C++ - Visual Studio Code
10:42
扩展
在应用商店中搜索扩展
已安装 17
Better C++ Syntax 1.15.5
The bleeding edge of C-like syntaxes
Jeff Hykin
Better Comments 2.1.0
Improve your code commenting by an...
Aaron Bond
C/C++ 1.3.1
C/C++ IntelliSense, debugging, and co...
Microsoft
C/C++ Extension Pack 1.0.0
Popular extensions for C++ developme...
Microsoft
C/C++ Snippets 0.0.15
Code snippets for C/C++
Harsh
C/C++ Themes 1.0.0
UI Themes for C/C++ extension.
Microsoft
C++ Intellisense 0.2.2
C/C++ Intellisense with the help of GN...
austin
Chinese (Simplified) Languag... 1.55.2
中文(简体)
Microsoft
CMake 0.0.17
CMake langage support for Visual Stu...
twxs
CMake Tools 1.7.1
Extended CMake support in Visual Stu...
Microsoft
Doxygen Documentation Ge... 1.2.0
Let me generate Doxygen documentat...
推荐 1
Vim 1.20.0
Vim emulation for Visual Studio Code
vscodevim
安装
扩展: C/C++
C/C++ ms-vscode.cpptools
Microsoft 19,264,765 存储库 许可证 v1.3.1
C/C++ IntelliSense, debugging, and code browsing.
禁用 卸载 此扩展已全局启用。
根据你最近打开的文件，建议使用此扩展。
细节 功能贡献 更改日志
C/C++ for Visual Studio Code
Repository | Issues | Documentation | Code Samples | Offline Installers
Live Share enabled
The C/C++ extension adds language support for C/C++ to Visual Studio Code, including features such as IntelliSense and debugging.
Overview and tutorials
C/C++ extension overview
C/C++ extension tutorials per compiler and platform
Microsoft C++ compiler (MSVC) on Windows
GCC and Mingw-w64 on Windows
GCC on Windows Subsystem for Linux (WSL)
GCC on Linux
Clang on macOS
Quick links
Editing features (IntelliSense)
IntelliSense configuration
Enhanced colorization
Debugging
Debug configuration
Enable logging for IntelliSense or debugging
Questions and feedback
FAQs
Check out the FAQs before filing a question.
Provide feedback
File questions, issues, or feature requests for the extension.
Known issues
0 0 tabnine

扩展包


扩展: Better Comments - Visual Studio Code
Better Comments
aaron-bond.better-comments
Aaron Bond
Improve your code commenting by annotating with alert, informational, TODOs, and more!
"better-comments.tags": [
main.cpp > ...
#include <iostream>
using namespace std;
int main()
{
//!
//?
//todo
cout<<"hello VS Code"<<endl;
for (int i=0; i<10;i++)
{
cout<<"current i ="<<i<<endl;
}
return 0;
}

扩展包


扩展: Chinese (Simplified) Language Pack for Visual Studio Code - Visual Studio Code
10:43
扩展
在应用商店中搜索扩展
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Better C++ Syntax 1.15.5
The bleeding edge of C-like syntaxes
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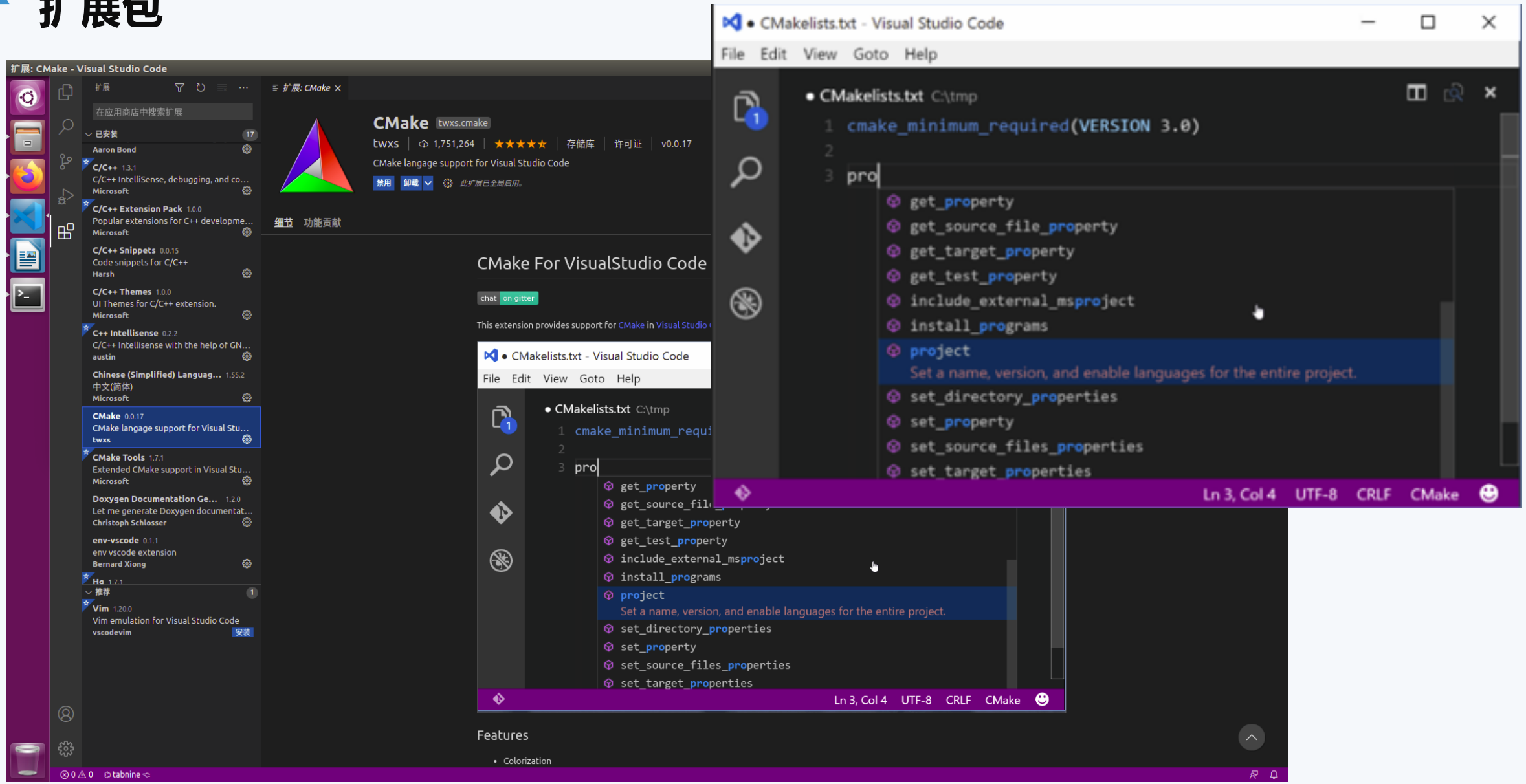
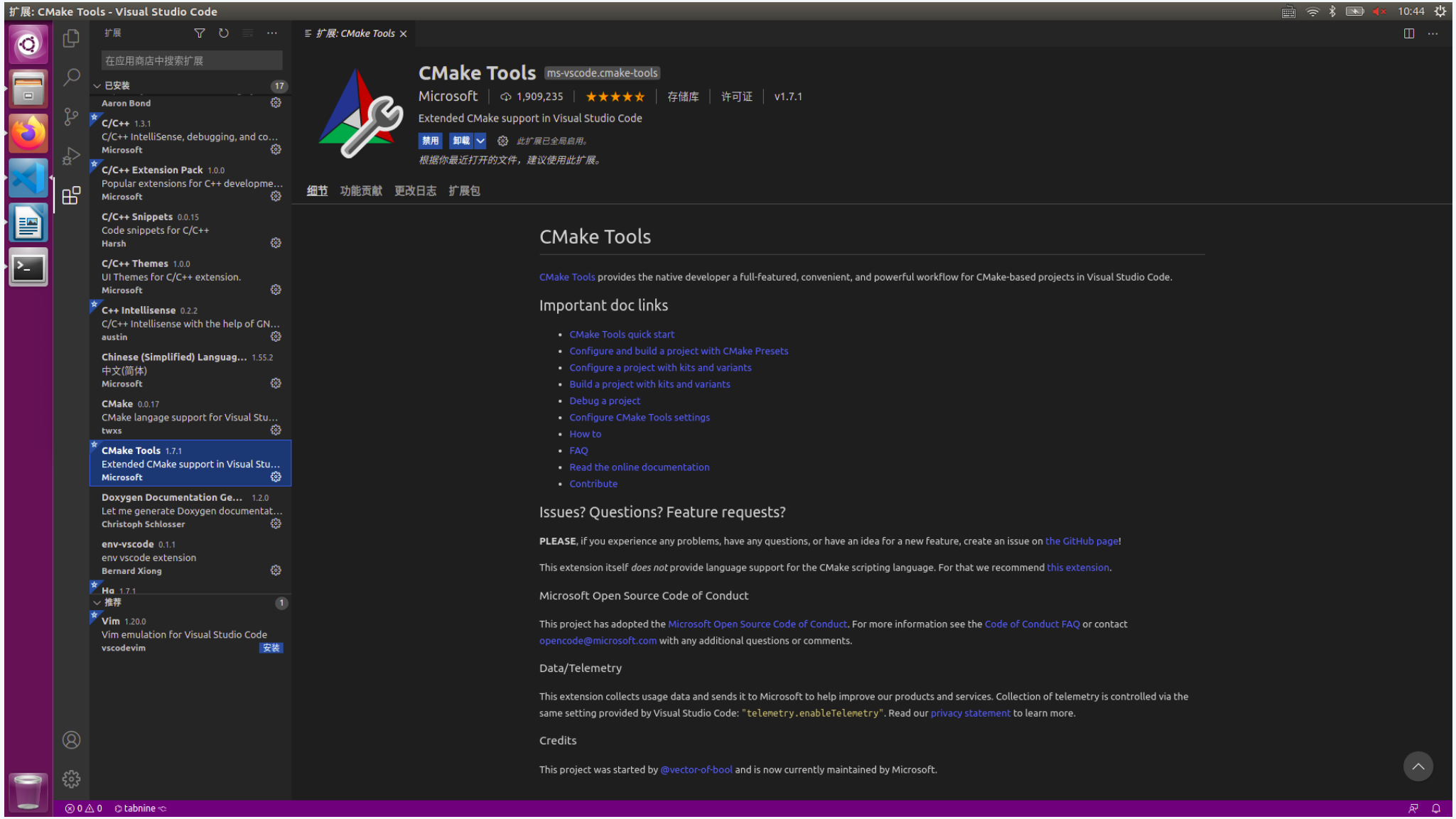
Chinese (Simplified) Languag... 1.55.2
中文(简体)
Microsoft
CMake 0.0.17
CMake langage support for Visual Stu...
twxs
CMake Tools 1.7.1
Extended CMake support in Visual Stu...
Microsoft
Doxygen Documentation Ge... 1.2.0
Let me generate Doxygen documentat...
推荐 1
Vim 1.20.0
Vim emulation for Visual Studio Code
vscodevim
安装
扩展: Chinese (Simplified) Language Pack for Visual Studio Code
Chinese (Simplified) Language Pack for Visual Studio Code
ms-ceintl.vscode-language-pack-zh-hans
Microsoft
9,133,284
存储库
v1.55.2
Language pack extension for Chinese (Simplified)
卸载
此扩展已全局启用。
细节
功能贡献
更改日志
适用于 VS Code 的中文（简体）语言包
此中文（简体）语言包为 VS Code 提供本地化界面。
使用方法
通过使用"配置显示语言"命令显式设置 VS Code 显示语言，可以替代默认 UI 语言。 按 "Ctrl+Shift+P" 以显示"命令面板"，然后开始键入 "display" 以筛选和显示"配置显示语言"命令。按 "Enter"，然后会按区域设置显示安装的语言列表，并突出显示当前语言设置。选择另一个"语言"以切换 UI 语言。 请参阅文档并获取更多信息。
参与
有关翻译改进的反馈，请在vscode-loc存储库中创建问题。 翻译字符串在 Microsoft 本地化平台中维护。只能在 Microsoft 本地化平台中进行更改，然后才能导出到 vscode-loc 存储库。因此，vscode-loc 存储库中不接受拉取请求。
许可证
源代码和字符串使用MIT许可进行授权。
感谢
此中文（简体）语言包是"来自社区，奉献社区"的社区本地化工作的成果。
特别感谢社区中每一位向这个项目做出贡献的朋友。
杰出贡献者：
Joel Yang：在此项目向社区开放之后，翻译了大部分新增字符串。先后翻译了4万余字。
贡献者：
YF
陈嘉恺
pluwen
Shawn Dai
Ying Feng
Simon Chan
王子实
tabnine

扩展包


扩展: CMake - Visual Studio Code
CMake twxs.cmake
twxs 1,751,264 存储库 许可证 v0.0.17
CMake langage support for Visual Studio Code
禁用 卸载
细节 功能贡献
CMake For VisualStudio Code
chat on gitter
This extension provides support for CMake in Visual Studio
Features
Colorization
CMakelists.txt - Visual Studio Code
File Edit View Goto Help
CMakelists.txt C:\tmp
cmake_minimum_required(VERSION 3.0)
pro
get_property
get_source_file_property
get_target_property
get_test_property
include_external_msproject
install_programs
project
Set a name, version, and enable languages for the entire project.
set_directory_properties
set_property
set_source_files_properties
set_target_properties
Ln 3, Col 4 UTF-8 CRLF CMake

扩展包


扩展: CMake Tools - Visual Studio Code
10:44
扩展
在应用商店中搜索扩展
已安装 17
Aaron Bond
C/C++ 1.3.1
C/C++ IntelliSense, debugging, and co...
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Doxygen Documentation Ge... 1.2.0
Let me generate Doxygen documentat...
Christoph Schlosser
env-vscode 0.1.1
env vscode extension
Bernard Xiong
Ha 1.7.1
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Vim emulation for Visual Studio Code
vscodevim
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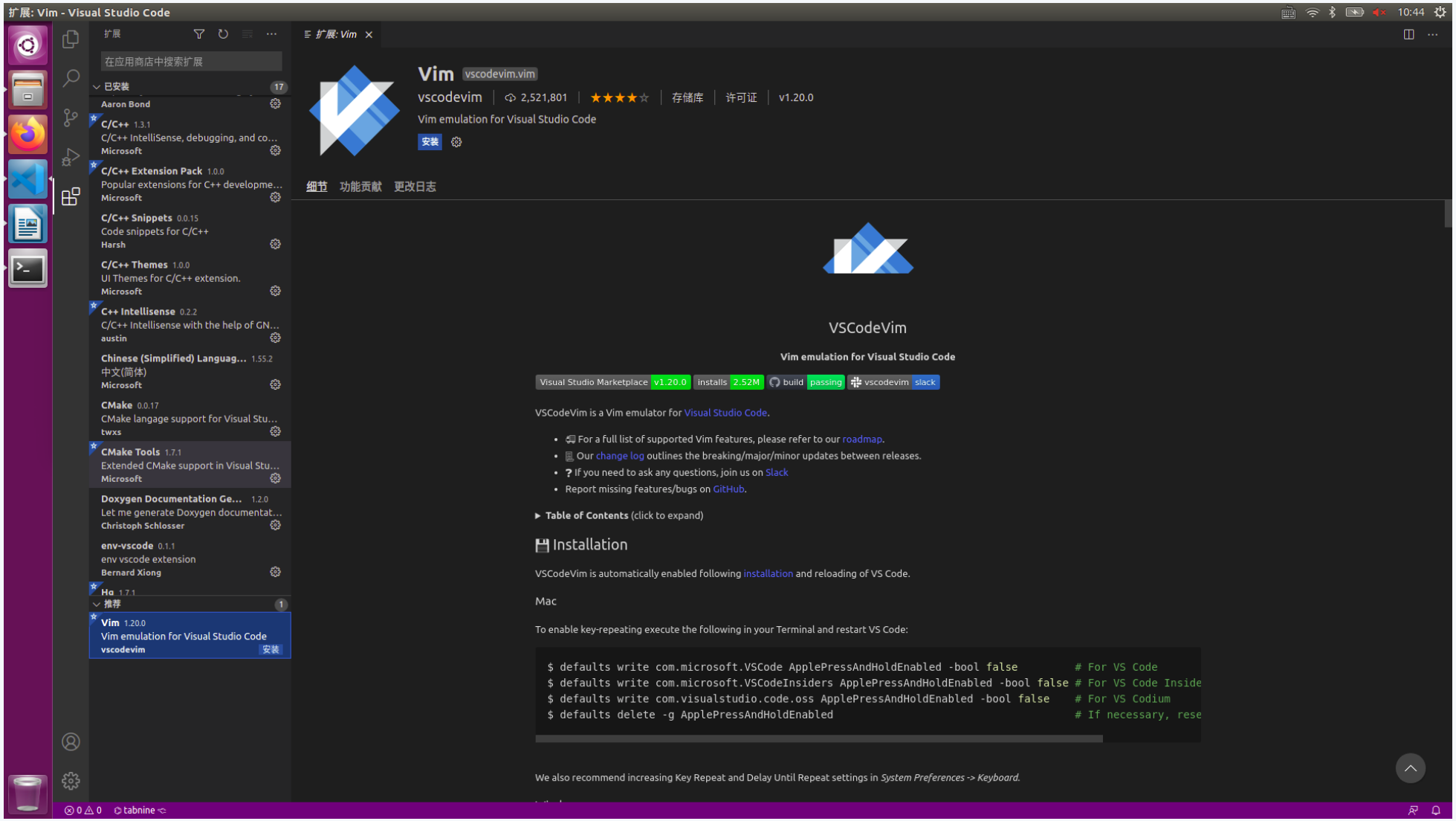
扩展: CMake Tools
CMake Tools ms-vscode.cmake-tools
Microsoft 1,909,235 存储库 许可证 v1.7.1
Extended CMake support in Visual Studio Code
禁用 卸载 此扩展已全局启用。
根据你最近打开的文件，建议使用此扩展。
细节 功能贡献 更改日志 扩展包
CMake Tools
CMake Tools provides the native developer a full-featured, convenient, and powerful workflow for CMake-based projects in Visual Studio Code.
Important doc links
CMake Tools quick start
Configure and build a project with CMake Presets
Configure a project with kits and variants
Build a project with kits and variants
Debug a project
Configure CMake Tools settings
How to
FAQ
Read the online documentation
Contribute
Issues? Questions? Feature requests?
PLEASE, if you experience any problems, have any questions, or have an idea for a new feature, create an issue on the GitHub page!
This extension itself does not provide language support for the CMake scripting language. For that we recommend this extension.
Microsoft Open Source Code of Conduct
This project has adopted the Microsoft Open Source Code of Conduct. For more information see the Code of Conduct FAQ or contact opencode@microsoft.com with any additional questions or comments.
Data/Telemetry
This extension collects usage data and sends it to Microsoft to help improve our products and services. Collection of telemetry is controlled via the same setting provided by Visual Studio Code: "telemetry.enableTelemetry". Read our privacy statement to learn more.
Credits
This project was started by @vector-of-bool and is now currently maintained by Microsoft.
0 0 tabnine

扩展包


扩展: Vim - Visual Studio Code
10:44
扩展
在应用商店中搜索扩展
已安装 17
Aaron Bond
C/C++ 1.3.1
C/C++ IntelliSense, debugging, and co...
Microsoft
C/C++ Extension Pack 1.0.0
Popular extensions for C++ developme...
Microsoft
C/C++ Snippets 0.0.15
Code snippets for C/C++
Harsh
C/C++ Themes 1.0.0
UI Themes for C/C++ extension.
Microsoft
C++ Intellisense 0.2.2
C/C++ Intellisense with the help of GN...
austin
Chinese (Simplified) Languag... 1.55.2
中文(简体)
Microsoft
CMake 0.0.17
CMake langage support for Visual Stu...
twxs
CMake Tools 1.7.1
Extended CMake support in Visual Stu...
Microsoft
Doxygen Documentation Ge... 1.2.0
Let me generate Doxygen documentat...
Christoph Schlosser
env-vscode 0.1.1
env vscode extension
Bernard Xiong
Ha 1.7.1
推荐 1
Vim 1.20.0
Vim emulation for Visual Studio Code
vscodevim
安装
扩展: Vim
Vim vscodevim.vim
vscodevim 2,521,801 ★★★★☆ 存储库 许可证 v1.20.0
Vim emulation for Visual Studio Code
安装
细节 功能贡献 更改日志
VSCodeVim
Vim emulation for Visual Studio Code
Visual Studio Marketplace v1.20.0 installs 2.52M build passing vscodevim slack
VSCodeVim is a Vim emulator for Visual Studio Code.
For a full list of supported Vim features, please refer to our roadmap.
Our change log outlines the breaking/major/minor updates between releases.
If you need to ask any questions, join us on Slack
Report missing features/bugs on GitHub.
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Installation
VSCodeVim is automatically enabled following installation and reloading of VS Code.
Mac
To enable key-repeating execute the following in your Terminal and restart VS Code:
$ defaults write com.microsoft.VSCode ApplePressAndHoldEnabled -bool false # For VS Code
$ defaults write com.microsoft.VSCodeInsiders ApplePressAndHoldEnabled -bool false # For VS Code Inside
$ defaults write com.visualstudio.code.oss ApplePressAndHoldEnabled -bool false # For VS Codium
$ defaults delete -g ApplePressAndHoldEnabled # If necessary, rese
We also recommend increasing Key Repeat and Delay Until Repeat settings in System Preferences -> Keyboard.
0 0 tabnine

PART FIVE

编译方法

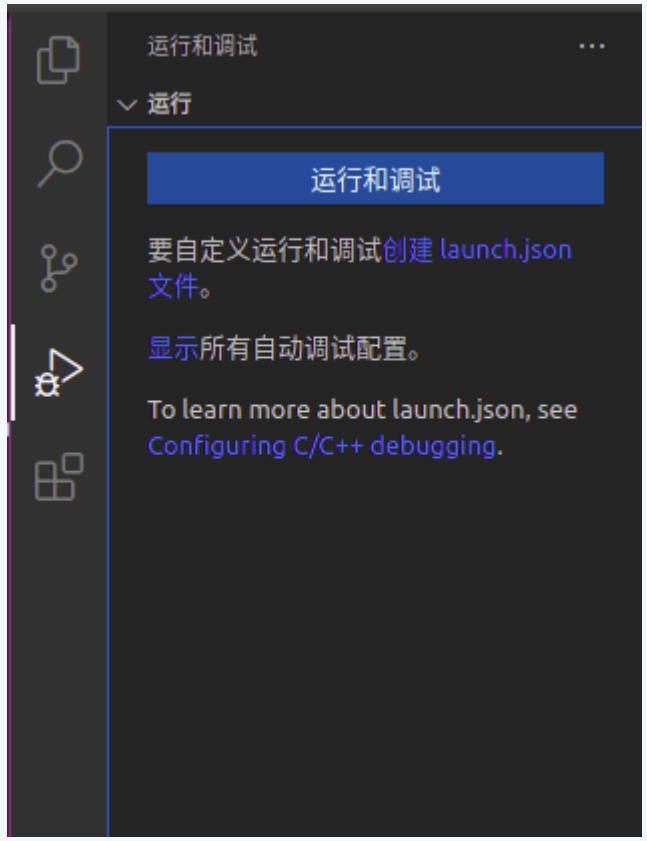
编译方法

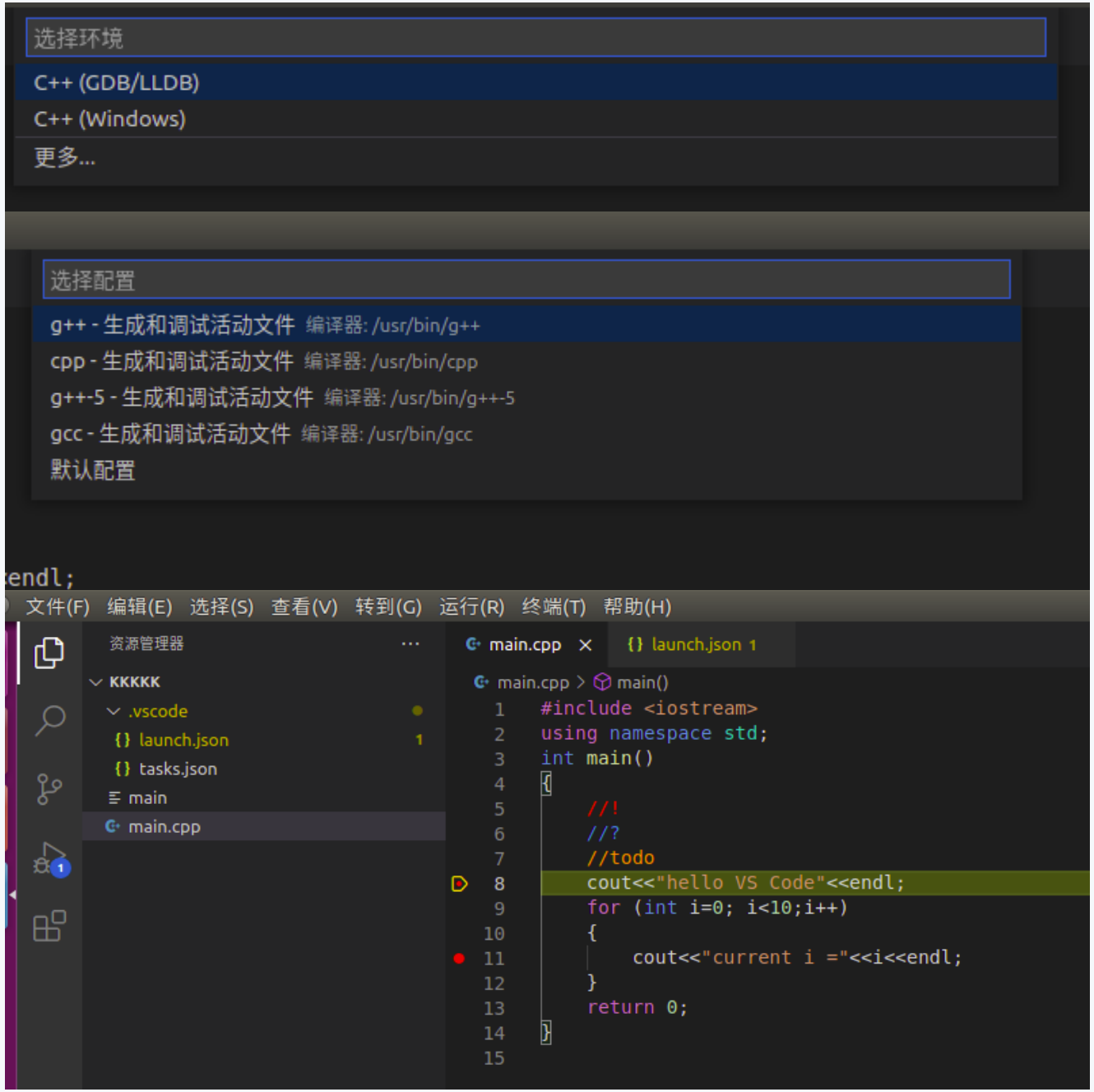
```
#include <iostream>
using namespace std;
int main()
{
    //!
    //?
    //todo
    cout<<"hello VS Code"<<endl;
    for (int i=0; i<10;i++)
    {
        cout<<"current i ="<<i<<endl;
    }
    return 0;
}
```

在当前文件是C++的情况下，需要设置两个文件tasks.json，launch.json。tasks.json可以被用来做编译；launch.json用来执行编译好的文件

编译方法

1.通过g++自动编译+执行





按F5可以继续执行
按F10单步调试

编译方法

launch.json

```
"version": "0.2.0",
"configurations": [
  {
    "name": "(gdb) 启动",// 配置名称
    "type": "cppdbg", // 配置类型
    "request": "launch",// 请求配置类型，可以为launch（启动）或attach（附加）
    "program": "/home/wrk/桌面/kkkkk/build/main",   //！将要进行调试的程序的路径
    "args": ["7"],                                   //！可执行文件的参数
    "stopAtEntry": false,
    "cwd": "${workspaceFolder}",     // 调试程序时的工作目录，${workspaceRoot}即代码所在目录
    "environment": [],
    "externalConsole": false,        // 调试时是否显示控制台窗口，一般设置为true显示控制台
    "MIMode": "gdb",
    "setupCommands": [
      {
        "description": "为 gdb 启用整齐打印",
        "text": "-enable-pretty-printing",
        "ignoreFailures": true
      }
    ]
  }
]
```

编译方法

```cpp
#include <iostream>
using namespace std;
int main()
{
    //!
    //?
    //todo
    cout<<"hello VS Code"<<endl;
    for (int i=0; i<10;i++)
    {
        cout<<"current i ="<<i<<endl;
    }
    return 0;
}
```

2.使用C/C++ Compile Run插件

C/C++ Compile Run
marketplace.visualstudio.com

无需配置task.json和launch.json，保存后直接按F6自动编译运行。

特点：虽然简单，但只能用于单文件。

按F6以后终端自动输入

```
问题    输出    终端    调试控制台

wrk@wrk:~/桌面/kkkkk$ cd "/home/wrk/桌面/kkkkk"
wrk@wrk:~/桌面/kkkkk$ ./"main"
hello VS Code
current i =0
current i =1
current i =2
current i =3
current i =4
current i =5
current i =6
current i =7
current i =8
current i =9
wrk@wrk:~/桌面/kkkkk$
```

编译方法

3.使用cmake

main.cpp > ...

```cpp
#include <iostream>
using namespace std;
int main(int argc, char const *argv[])
{
    string kkk =argv[1];
    int k = atoi(kkk.c_str());;
    //! 冒个泡
    cout<<"hello VS Code"<<endl;
    //todo 输出从0-k的整数

    for (int i=0; i<k;i++)
    {
        cout<<"current i ="<<i<<endl;
    }
    return 0;
}
```

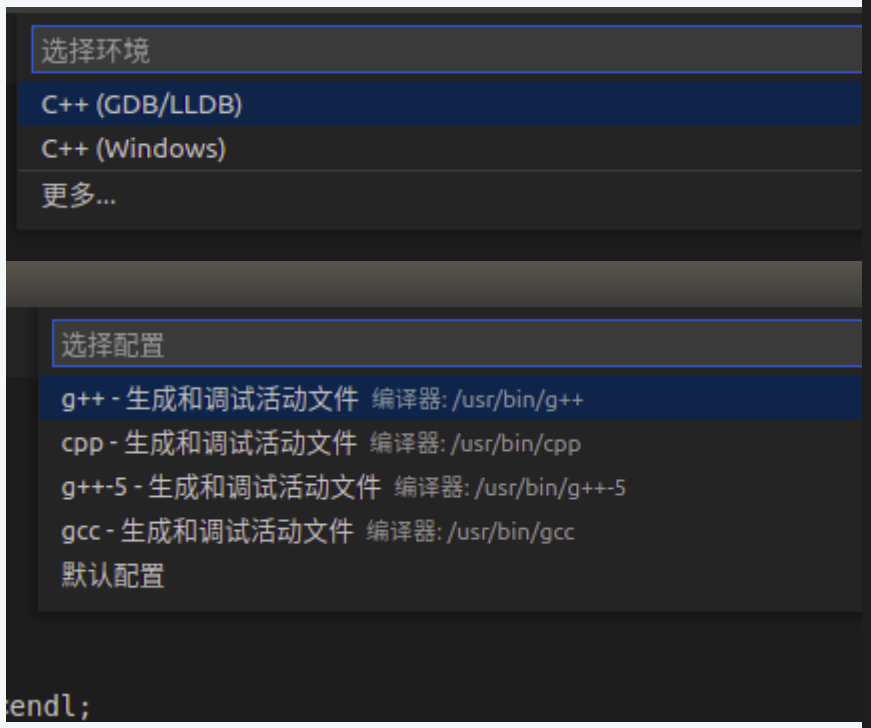
CMakeLists.txt

```cmake
project(main)
cmake_minimum_required(VERSION 3.1)

add_definitions(-std=c++11)

#set(CMAKE_BUILD_TYPE Release)
set(CMAKE_BUILD_TYPE Debug)

add_executable(main main.cpp)
```

编译方法

3.使用cmake

按F5/菜单栏->启动调试
->c++(gdb/lldb)->默认配置



launch.json

```
{
    // 使用 IntelliSense 了解相关属性。
    // 悬停以查看现有属性的描述。
    // 欲了解更多信息，请访问: https://go.microsoft.com/fwlink/?linkid=830387
    "version": "0.2.0",
    "configurations": [
        {
            "name": "(gdb) 启动",
            "type": "cppdbg",
            "request": "launch",
            "program": "/home/wrk/桌面/kkkkk/build/main",    // 可执行文件的地址
            "args": ["7"],                                   // 可执行文件的参数和
            "stopAtEntry": false,
            "cwd": "${workspaceFolder}",
            "environment": [],
            "externalConsole": false,
            "MIMode": "gdb",
            "setupCommands": [
                {
                    "description": "为 gdb 启用整齐打印",
                    "text": "-enable-pretty-printing",
                    "ignoreFailures": true
                }
            ]
        }
    ]
}
```

编译方法

//! 单步调试一定要在CMakeLists.txt中设置 set(CMAKE_BUILD_TYPE DEBUG)

资源管理器

KKKKK

- .vscode
  - launch.json
  - settings.json
- build
- CMakeLists.txt
- main.cpp

main.cpp | settings.json | CMakeLists.txt | launch.json 1

main.cpp > main(int, char const * [])

```cpp
#include <iostream>
using namespace std;
int main(int argc, char const *argv[])
{
    string kkk =argv[1];
    int k = atoi(kkk.c_str());;
    //! 冒个泡
    cout<<"hello VS Code"<<endl;
    //todo 输出从0-k的整数

    for (int i=0; i<k;i++)
    {
        cout<<"current i ="<<i<<endl;
    }

    return 0;
}
```

CMakeLists.txt

```cmake
project(main)
cmake_minimum_required(VERSION 3.1)

add_definitions(-std=c++11)

set(CMAKE_BUILD_TYPE Release)
# set(CMAKE_BUILD_TYPE Debug)

add_executable(main main.cpp)
```

问题 1 | 输出 | 终端 | 调试控制台 | 4: cppdbg: main

```
hello VS Code
current i =0
current i =1
current i =2
current i =3
current i =4
current i =5
current i =6
[1] + Done                    "/usr/bin/gdb" --interpreter=mi --tty=${DbgTerm} 0<"/tmp/Microsoft-MIEngine-In-q1a5db9y.hj3" 1>"/tmp/Microsoft-MIEngine-Out-hro7g5lx.e5x"
wrk@wrk:~/桌面/kkkkk/build$
```

编译方法

//! 单步调试一定要在CMakeLists.txt中设置 set(CMAKE_BUILD_TYPE DEBUG)

变量显示

main.cpp - kkkkk - Visual Studio Code

运行... (gdb) 启动

变量

Locals

kkk: "7"

k: 7

j: 32767

argc: 2

argv: 0x7fffffffd758

*argv: 0x7fffffffdbf3 "/home/wrk/...

**argv: 47 '/'

main.cpp > main(int, char const * [])

```cpp
#include <iostream>
using namespace std;
int main(int argc, char const *argv[])
{
    string kkk =argv[1];
    int k = atoi(kkk.c_str());;
    //! 冒个泡
    cout<<"hello VS Code"<<endl;
    //todo 输出从0-k的整数
    int j=0;
    for (int i=0; i<k;i++)
    {
        cout<<"current i ="<<i<<endl;
        j++;
    }

    return 0;
}
```

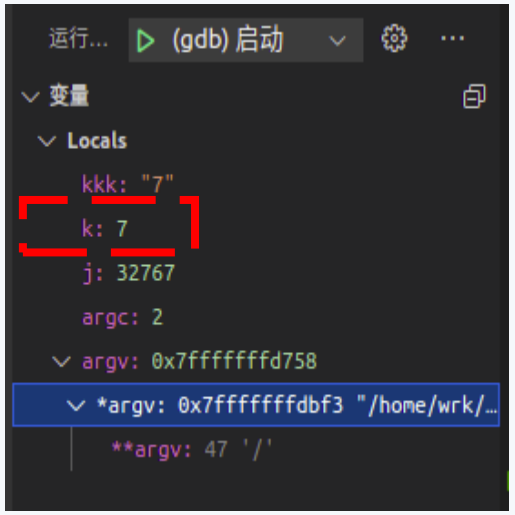
hello VS Code

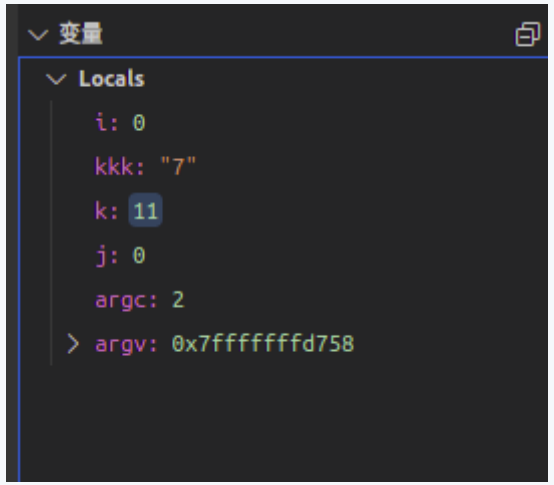
CMakeLists.txt

```cmake
project(main)
cmake_minimum_required(VERSION 3.1)

add_definitions(-std=c++11)

#set(CMAKE_BUILD_TYPE Release)
set(CMAKE_BUILD_TYPE Debug)

add_executable(main main.cpp)
```

编译方法

双击k:7，修改为11





结果：

```
hello VS Code
current i =0
current i =1
current i =2
current i =3
current i =4
current i =5
current i =6
current i =7
current i =8
current i =9
current i =10
[1] + Done
wrk@wrk:~/桌面/kkkkk/build$
```

THANKS!