感谢试用沉浸式阅读器。请与我们分享你的反馈。

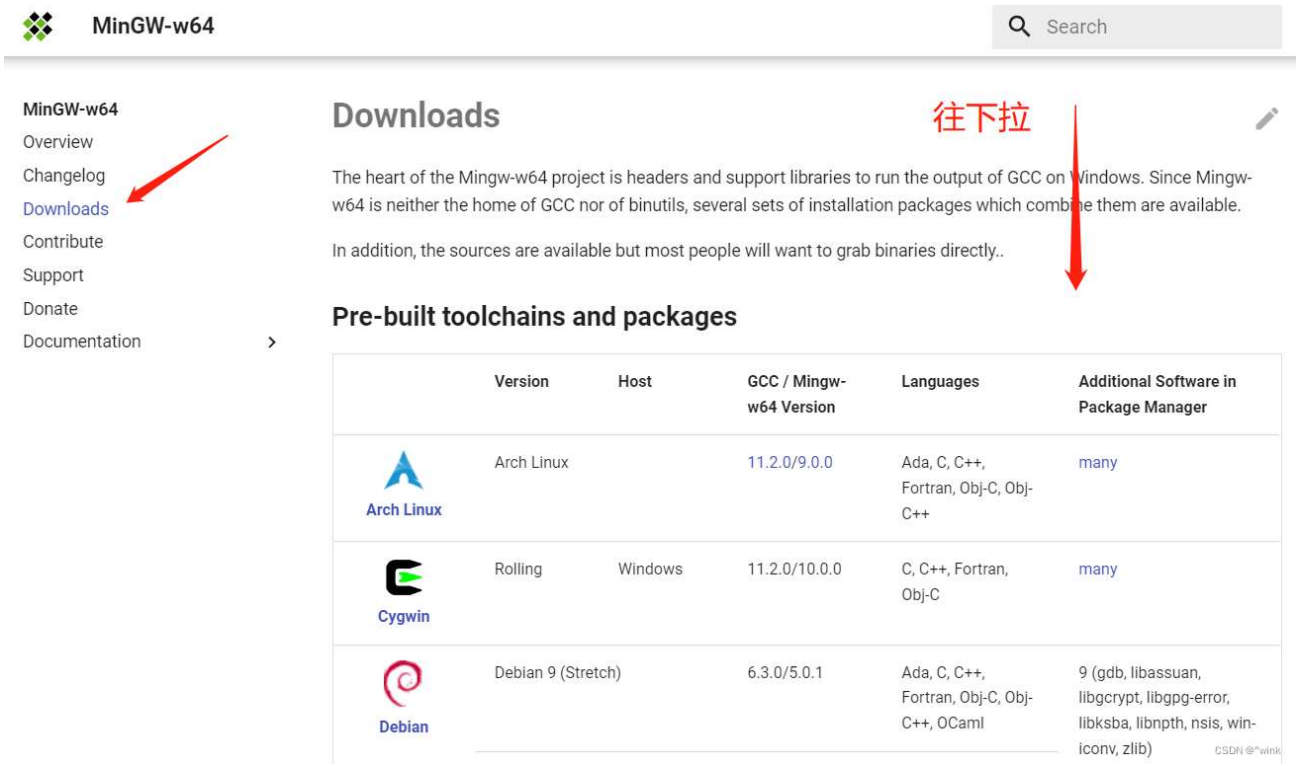
# VSCode快速配置C语言环境

## 1.在VSCode中安装C/C++插件

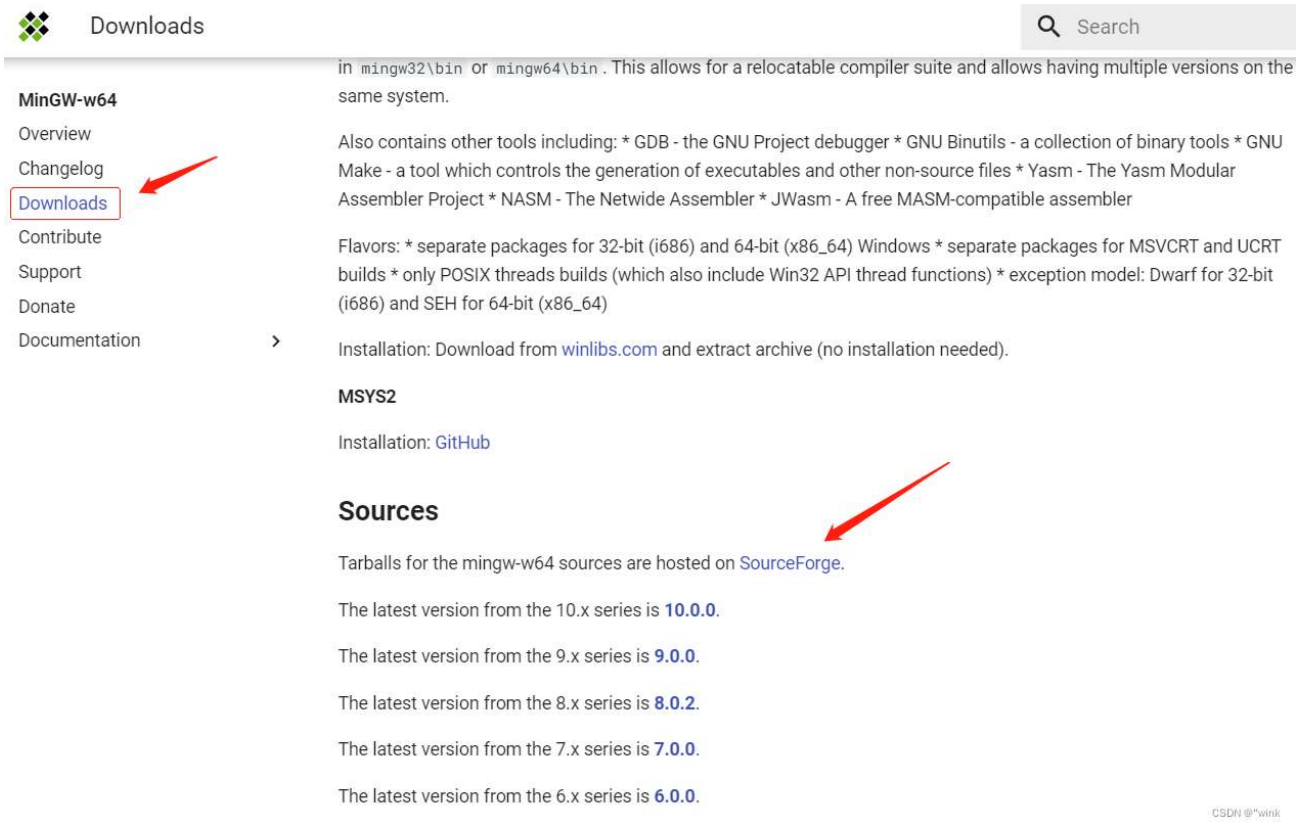

## 2.下载mingw64

MinGW-w64官方网站首页

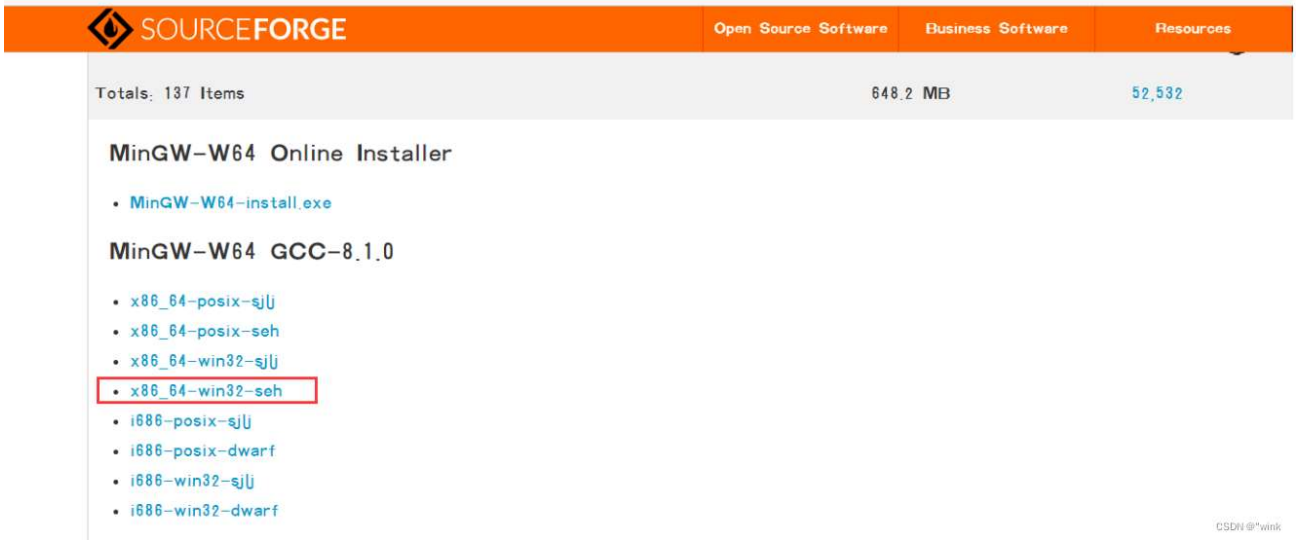
### 1、找到downloads



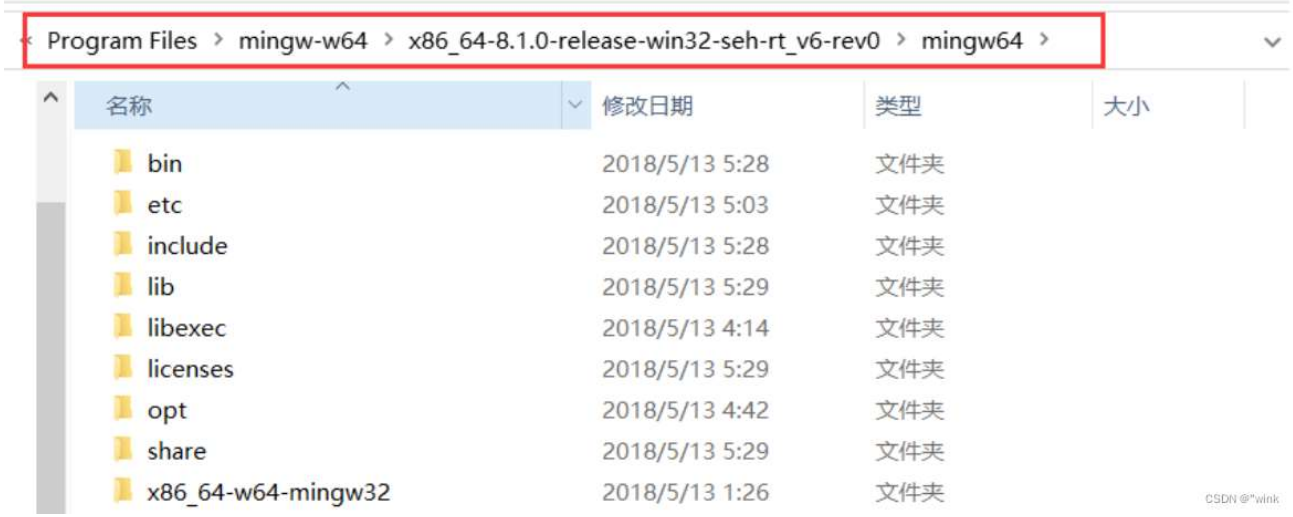

## 2、找到SourceForge




## 3、找到一个合适的版本（我这里是下拉找到免安装版）下载，其他的都试过了，都不行（可能是因为外网的关系连接不稳定）

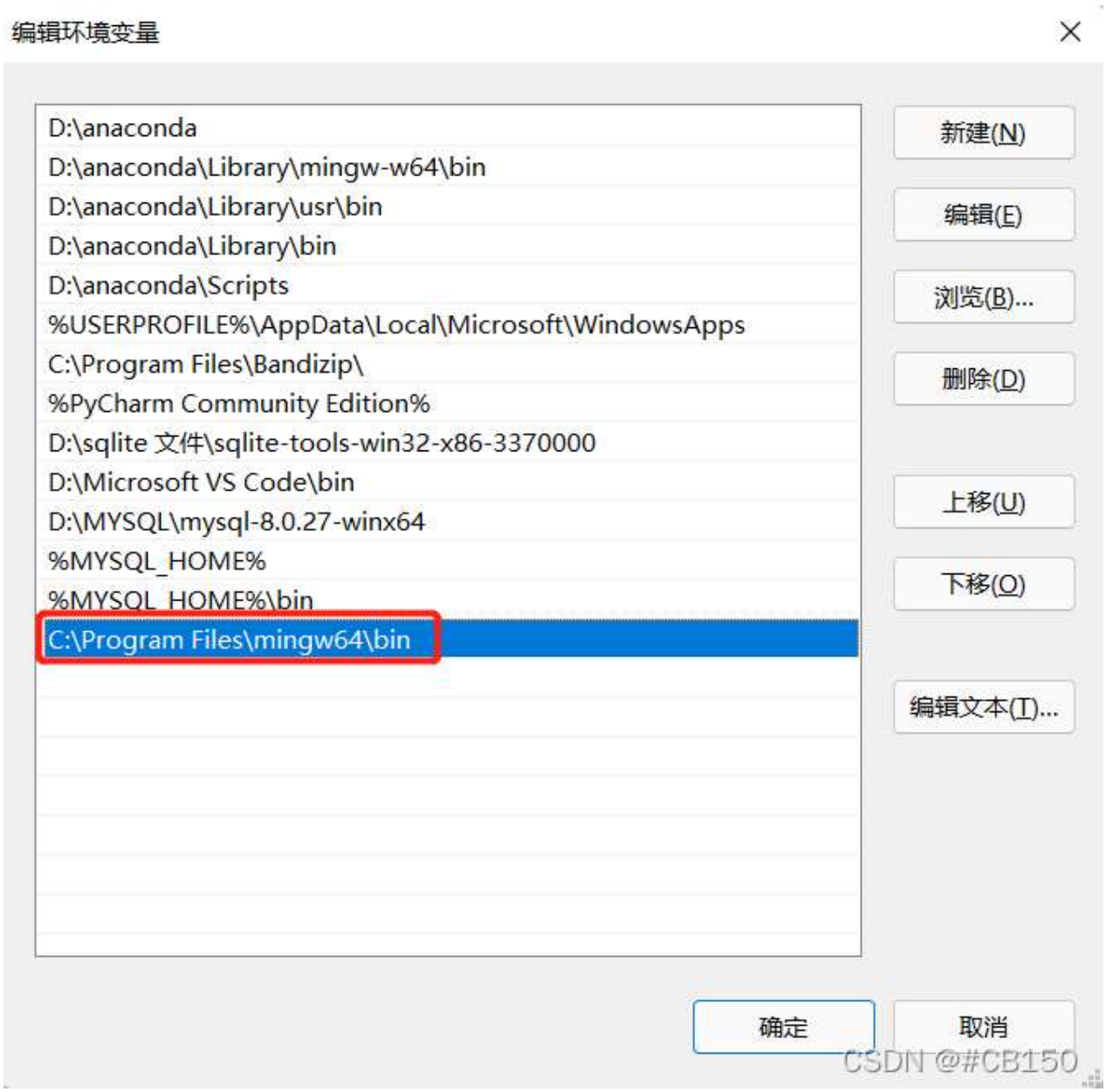



## 4、直接解压到想要的位置

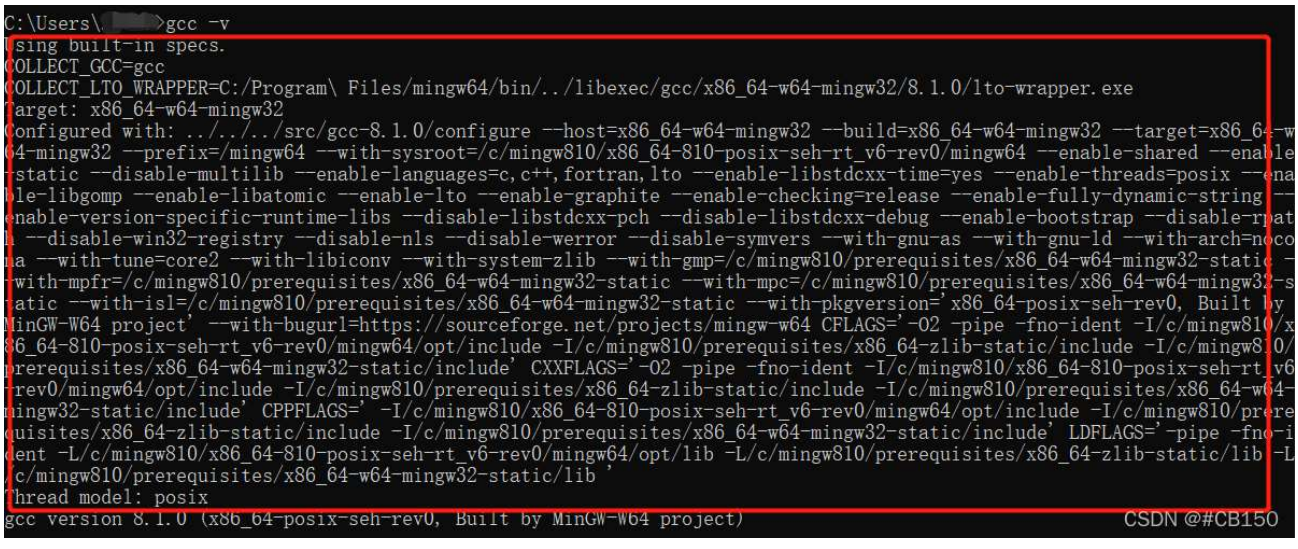



# 5.将mingw64添加到环境变量

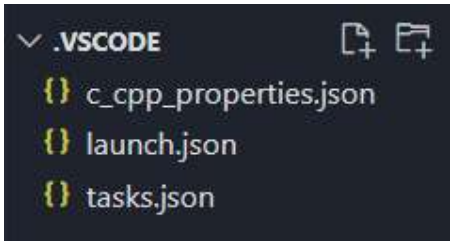
将下载好的mingw64解压到指定的目录,我的路径是C:\Program Files\mingw64,然后配置环境变量 将目录C:\Program Files\mingw64\bin加入到环境变量path里（注意修改为自己的mingw64路径，具体到bin文件夹）




打开命令行输入gcc -v，出现以下信息说明mingw64配置成功




# 4.新建.vscode文件夹 在该文件夹创建三个文件




点这里可以直接下载 再修改路径

.vscode文件下载

# 注意：c_cpp_properties.json和launch.json 需要修改路径

## （1）c_cpp_properties.json配置

```
{
    "configurations": [
        {
            "name": "Win32",
            "includePath": [
                "${workspaceRoot}",
                "C:\\Program Files\\mingw64"
            ],
            "defines": [
                "_DEBUG",
                "UNICODE",
                "__GNUC__=6",
                "__cdecl=__attribute__((__cdecl__))"
            ],
            "intelliSenseMode": "windows-gcc-x64",
            "browse": {
                "limitSymbolsToIncludedHeaders": true,
                "databaseFilename": "",
                "path": [
                    "${workspaceRoot}",
                    "C:\\Program Files\\mingw64"
                    //此处修改为自己mingw64的路径
                ]
            }
        }
    ],
    "version": 4
}
```

## （2）launch.json配置

```
{
    "version": "0.2.0",
    "configurations": [
        {
            "name": "(Windows) Launch",
            "type": "cppvsdbg",
            "request": "launch",
            "program": "cmd",
            "preLaunchTask": "echo",
            "args": [
                "/C",
                "${fileDirname}\\${fileBasenameNoExtension}.exe",
                "&",
                "echo.",
                "&",
                "pause"
            ],
            "stopAtEntry": false,
            "cwd": "${workspaceFolder}",
```

```
            "environment": [],
            "externalConsole":true
        },
        {
            "name": "(gdb) Launch",
            "type": "cppdbg",
            "request": "launch",
            "program": "${workspaceFolder}/${fileBasenameNoExtension}.exe",
            "args": [],
            "stopAtEntry": false,
            "cwd": "${workspaceFolder}",
            "environment": [],
            "externalConsole": true,
            "MIMode": "gdb",
            "miDebuggerPath": "C:\\Program Files\\mingw64\\bin\\gdb.exe",//修改为自己电脑的gdb路径
            "preLaunchTask": "echo",//这里和task.json的label相对应
            "setupCommands": [
                {
                    "description": "Enable pretty-printing for gdb",
                    "text": "-enable-pretty-printing",
                    "ignoreFailures": true
                }
            ]

        }
    ]
}
```

### (3) tasks.json配置

```
{
    // See https://go.microsoft.com/fwlink/?LinkId=733558
    // for the documentation about the tasks.json format
    "version": "2.0.0",
    "tasks": [
        {
            "label": "echo",
            "type": "shell",
            "command": "gcc",
            "args": [
                "-g",
                "${file}",
                "-o",
                "${fileBasenameNoExtension}.exe",
                "-fexec-charset=GBK"//解决中文乱码
            ]
        }
    ],
    "presentation": {
        "echo": true,
        "reveal": "always",
        "focus": false,
        "panel": "shared",
        "showReuseMessage": true,
        "clear": false
    }
}
```

# 5.代码编译与运行

```
#include <stdio.h>

int main()
{
   printf("Hello, World! \n");

   return 0;
}
```

## ctrl+alt+n 运行


## vscode配置c语言环境就完成了！

如果打印中文乱码，请看下面这篇文章

vscode 解决C语言printf打印中文乱码问题