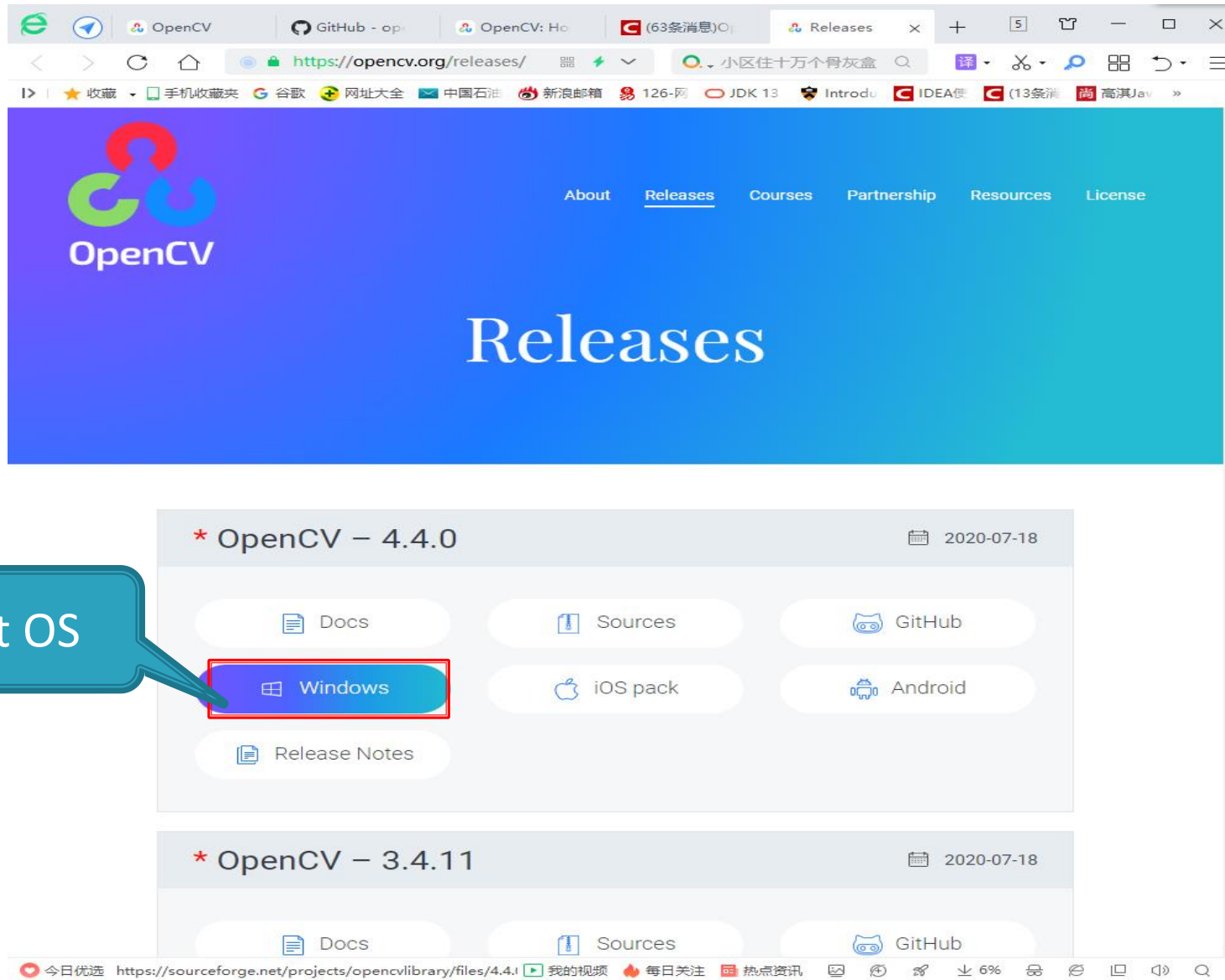
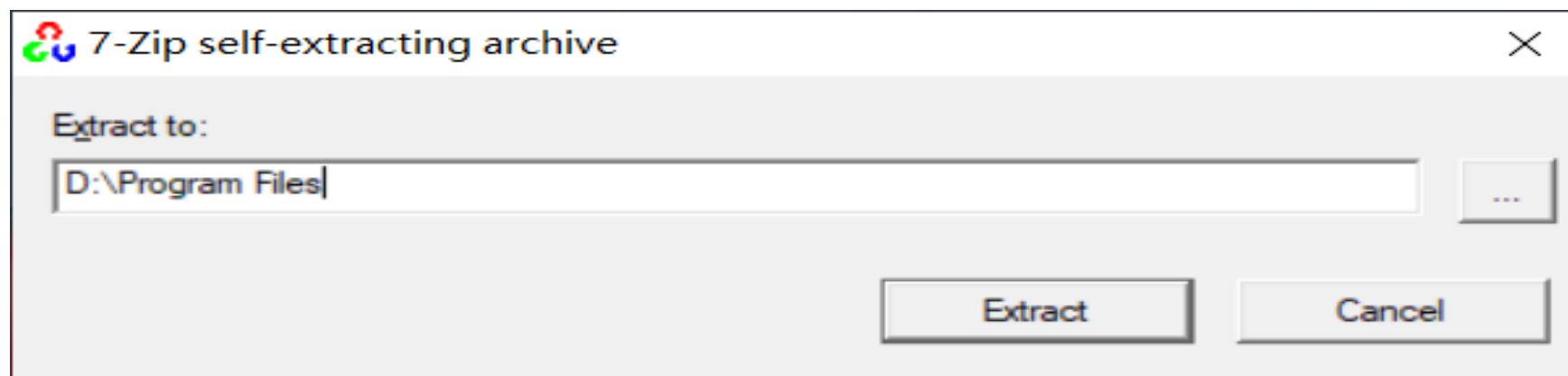
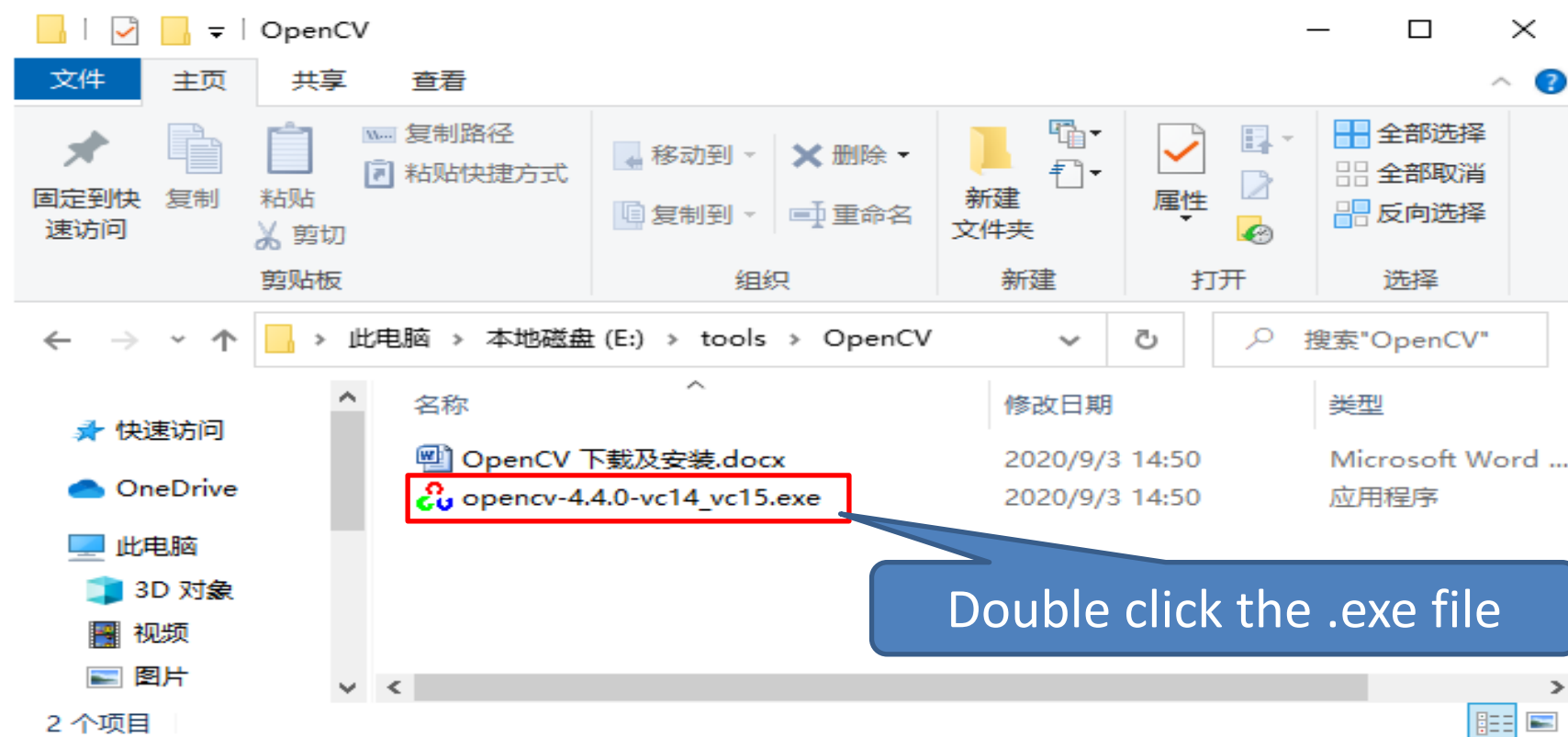


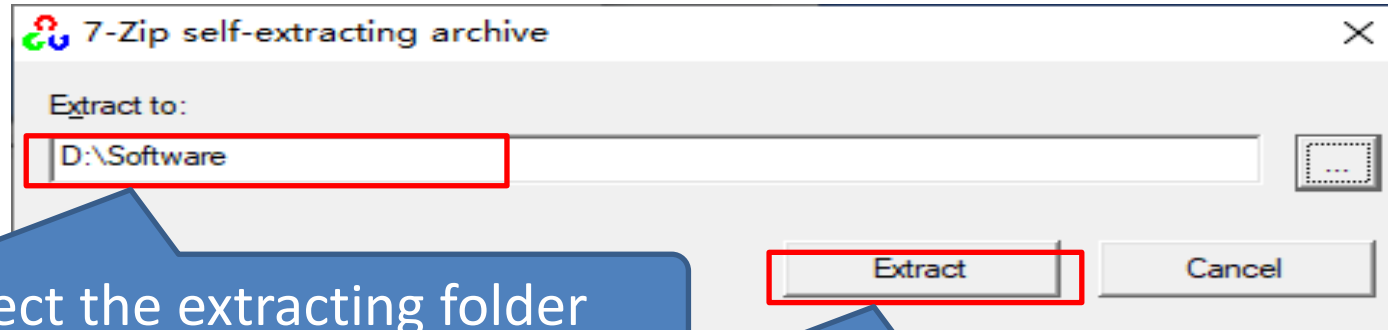
Downloading and Installing OpenCV

URL: <https://opencv.org/releases/>




1. Extract the file





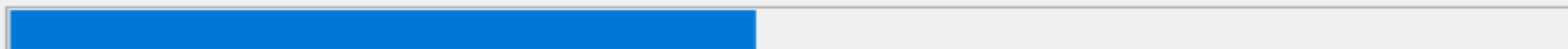
Select the extracting folder

Click "Extract" button

 36% Extracting

Elapsed time: 00:00:03
Remaining time: 00:00:05
Files: 0
Compression ratio:

Total size: 1203 MB
Speed: 142 MB/s
Processed: 438 MB
Compressed size:



Background

Pause

Cancel

名称	修改日期	类型	大小
javainstall			
VSCode			
OneDrive			
build	2020/9/3 16:14	文件夹	
sources	2020/9/3 16:14	文件夹	

固定到快速访问

复制

粘贴

剪贴板

剪贴

剪贴板

复制路径

粘贴快捷方式

移动到

删除

重命名

复制到

新建文件夹

属性

打开

编辑

历史记录

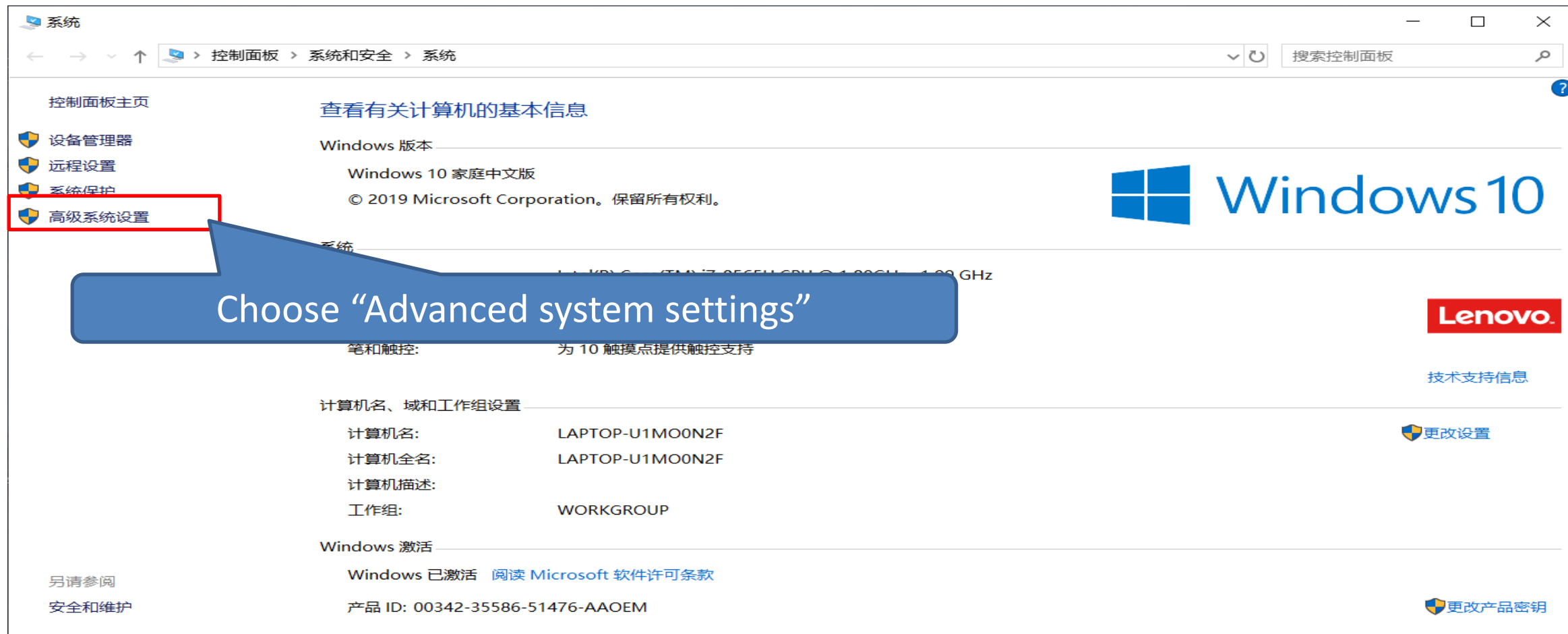
全部选择

全部取消

反向选择

名称	修改日期	类型	大小
build	2020/9/6 17:19	文件夹	
sources	2020/9/6 17:20	文件夹	
LICENSE.txt	2020/7/18 7:23	文本文档	
LICENSE_FFMPEG.txt	2020/7/18 7:23	文本文档	
README.md.txt	2020/7/18 7:23	文本文档	

2. Configure the environment variable



系统属性



计算机名

硬件

高级

系统保护

远程

要进行大多数更改，你必须作为管理员登录。

性能

视觉效果，处理器计划，内存使用，以及虚拟内存

设置(S)...

用户配置文件

与登录帐户相关的桌面设置

设置(E)...

启动和故障恢复

系统启动、系统故障和调试信息

设置(I)...

环境变量(N)...

Click "Environment Variable"

确定

取消

应用(A)

liaoqm 的用户变量(U)

变量	值
IntelliJ IDEA Community Ed...	C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2020...
OneDrive	C:\Users\liaoqm\OneDrive
Path	C:\Users\liaoqm\AppData\Local\Microsoft\WindowsApps;;C:\Pr...
TEMP	C:\Users\liaoqm\AppData\Local\Temp
TMP	C:\Users\liaoqm\AppData\Local\Temp

新建(N)...

编辑(E)...

删除(D)

系统变量(S)

变量	值
ComSpec	C:\Windows\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
JAVA_HOME	C:\Program Files\Java\jdk1.8.0_221
NUMBER_OF_PROCESSORS	8
OS	Windows NT
Path	C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\W...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTURE	AMD64

新建(W)...

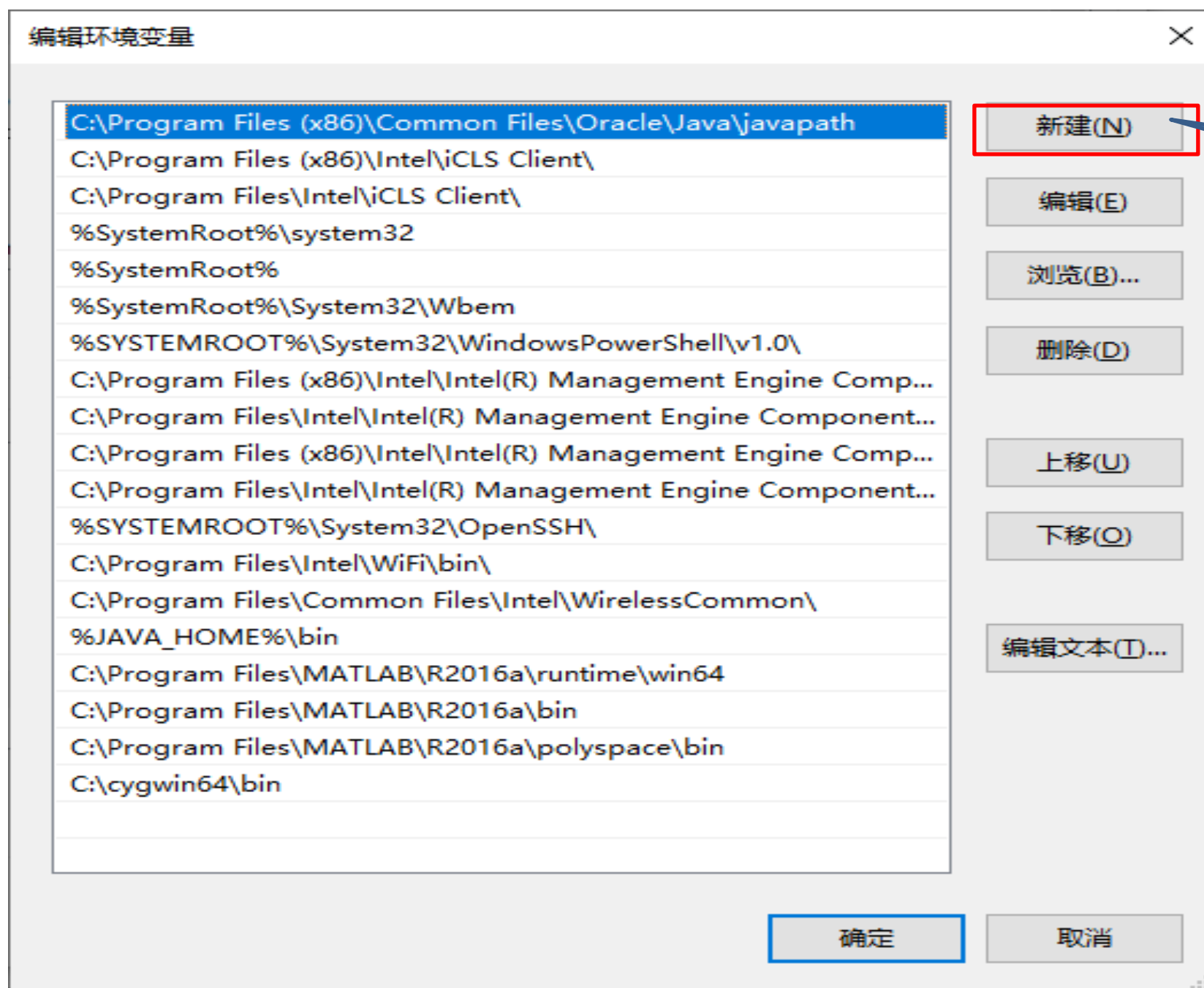
编辑(I)...

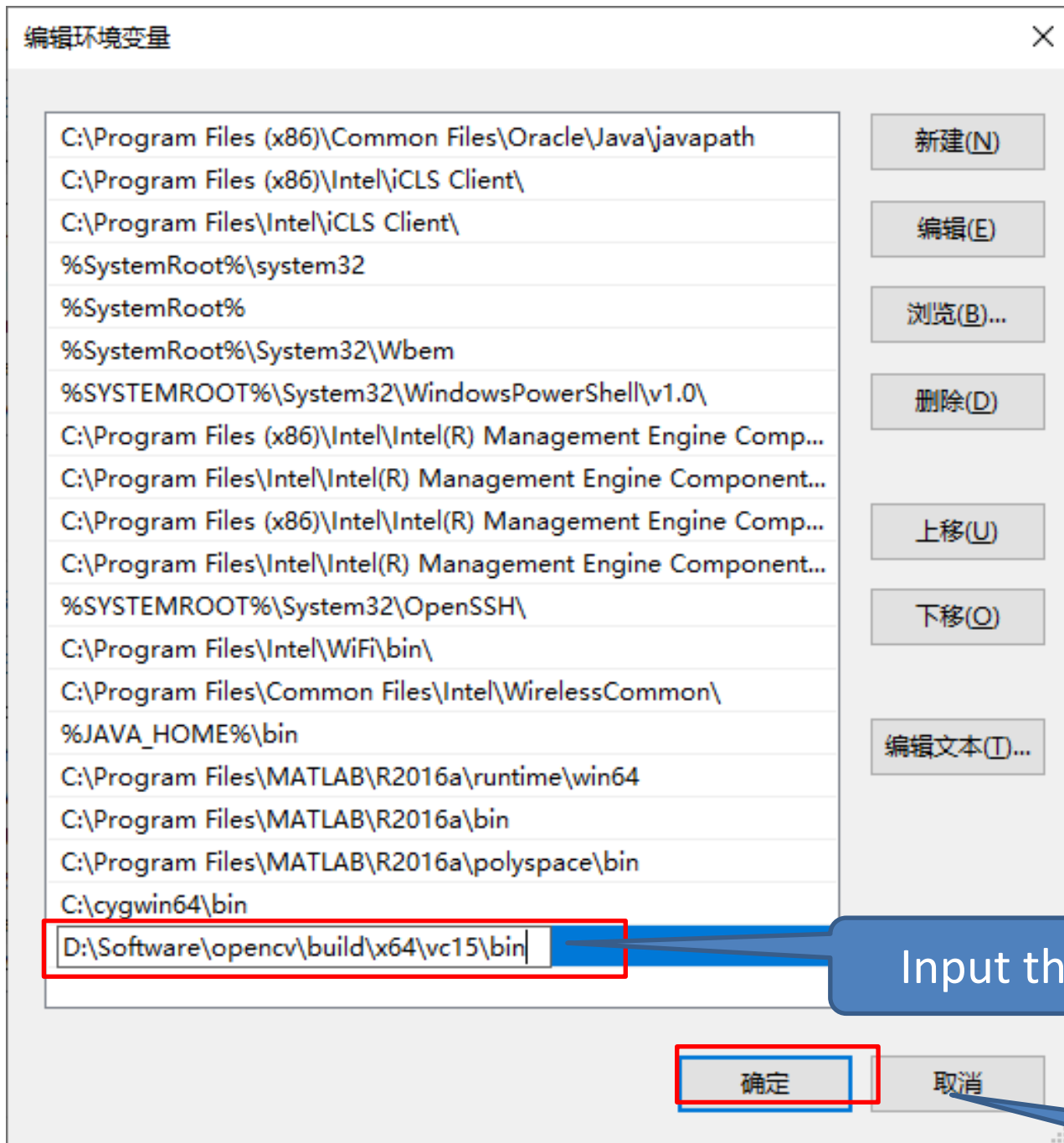
删除(L)

Click "Path" in system variable and click
"Edit" button

确定

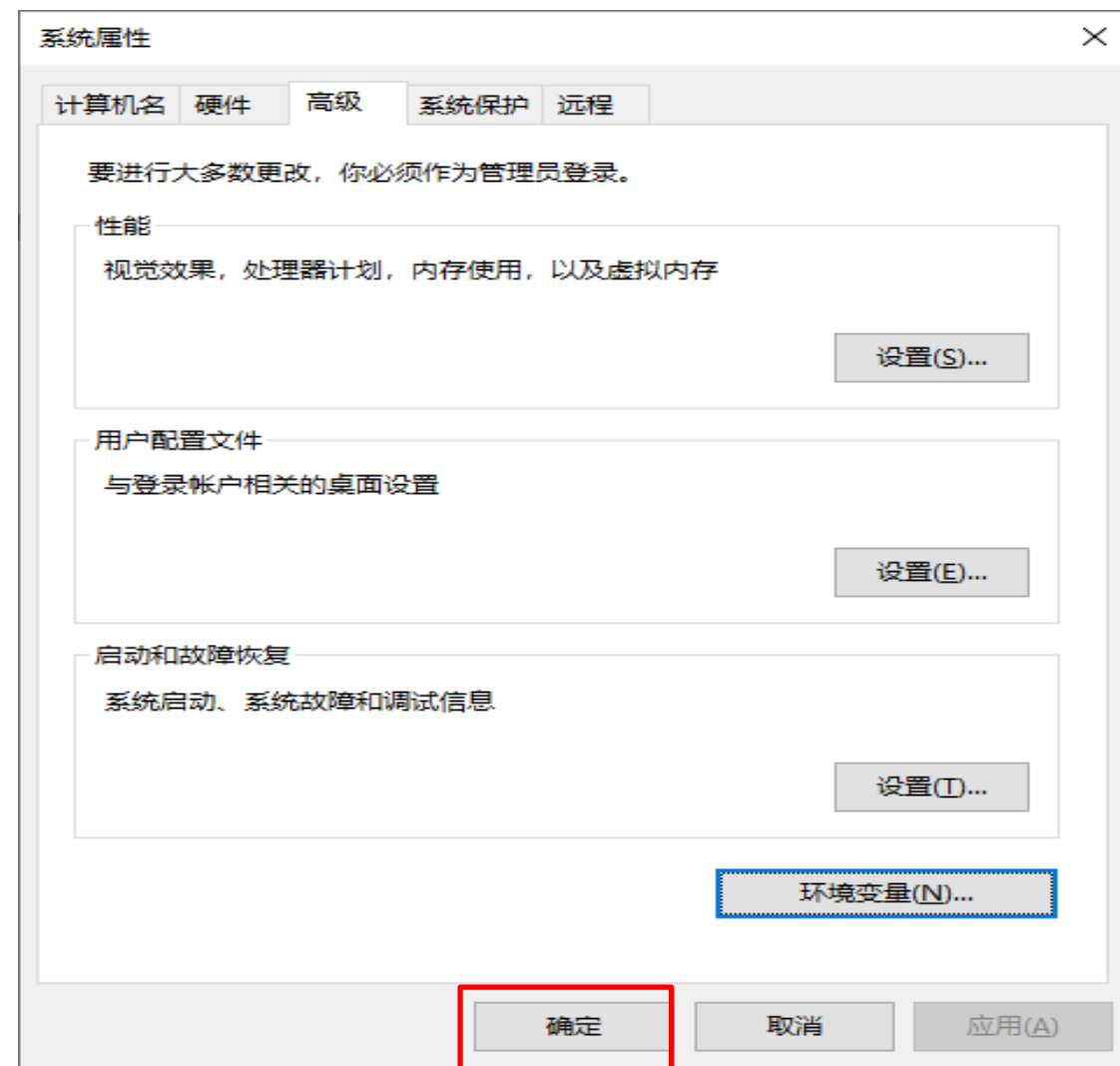
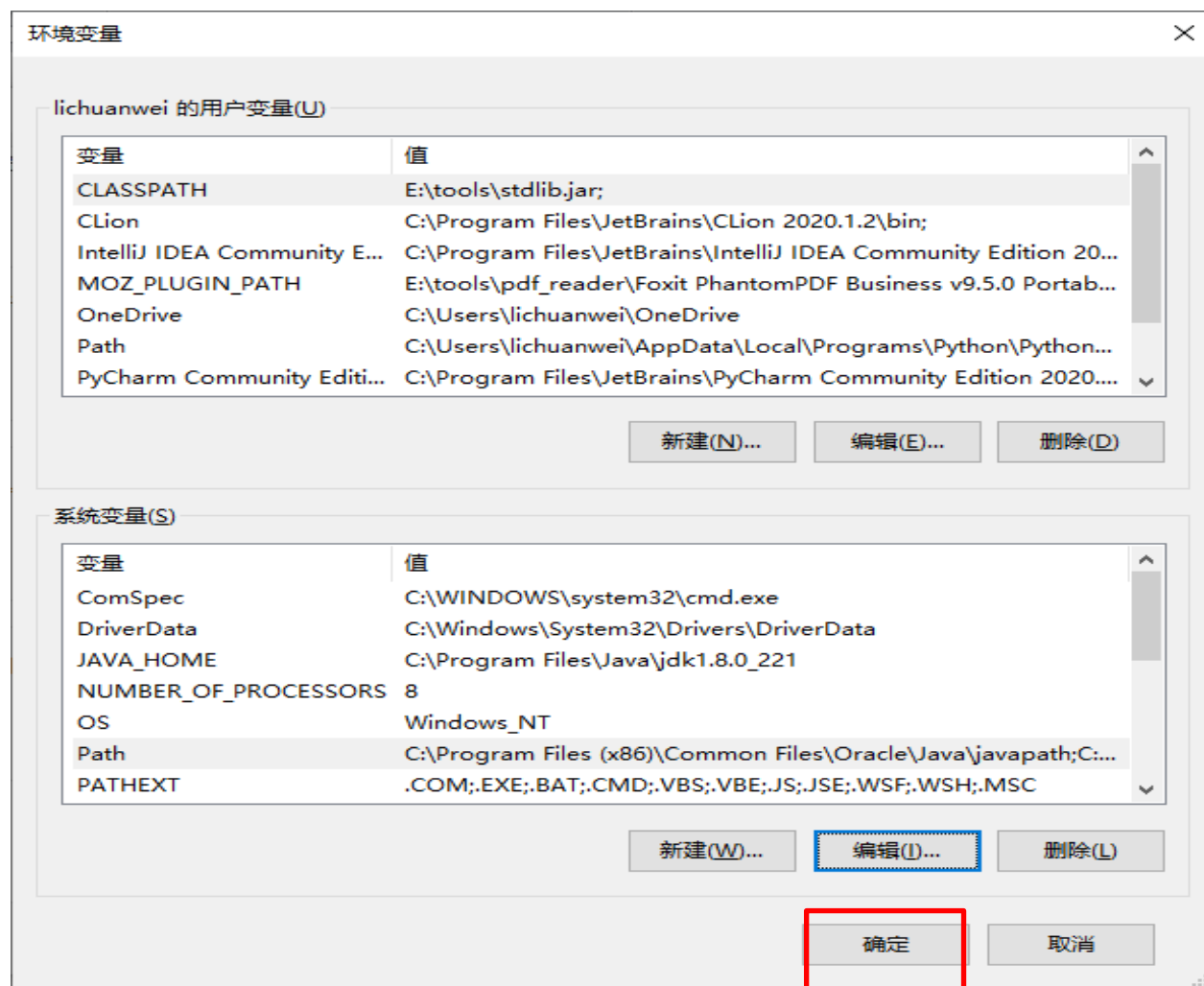
取消





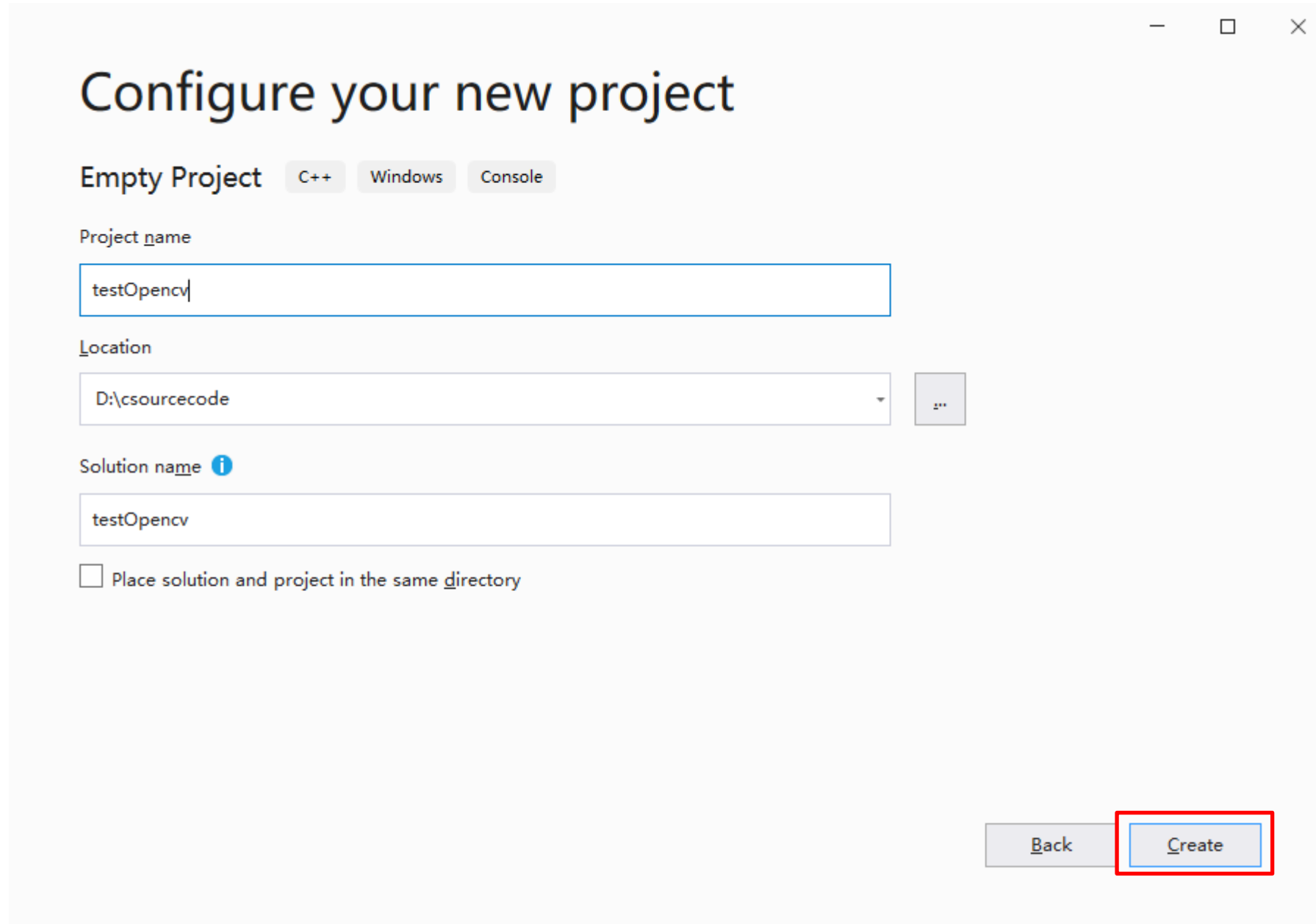
Input the path

Click "OK" button



3. Configure files in VS 2019

(1) Create an empty project in vs2019



The screenshot shows the 'Configure your new project' dialog box in Visual Studio 2019. The dialog has a title bar with standard Windows window controls (minimize, maximize, close). The main title is 'Configure your new project'. Below the title, there are three tabs: 'Empty Project' (selected), 'C++', 'Windows', and 'Console'. The 'Project name' field contains 'testOpencv'. The 'Location' field is a dropdown menu showing 'D:\sourcecode', with a small '...' button to its right. The 'Solution name' field, which has an information icon (i) to its right, also contains 'testOpencv'. Below these fields is a checkbox labeled 'Place solution and project in the same directory', which is currently unchecked. At the bottom right, there are two buttons: 'Back' and 'Create'. The 'Create' button is highlighted with a red rectangular border.

Configure your new project

Empty Project C++ Windows Console

Project name

testOpencv

Location

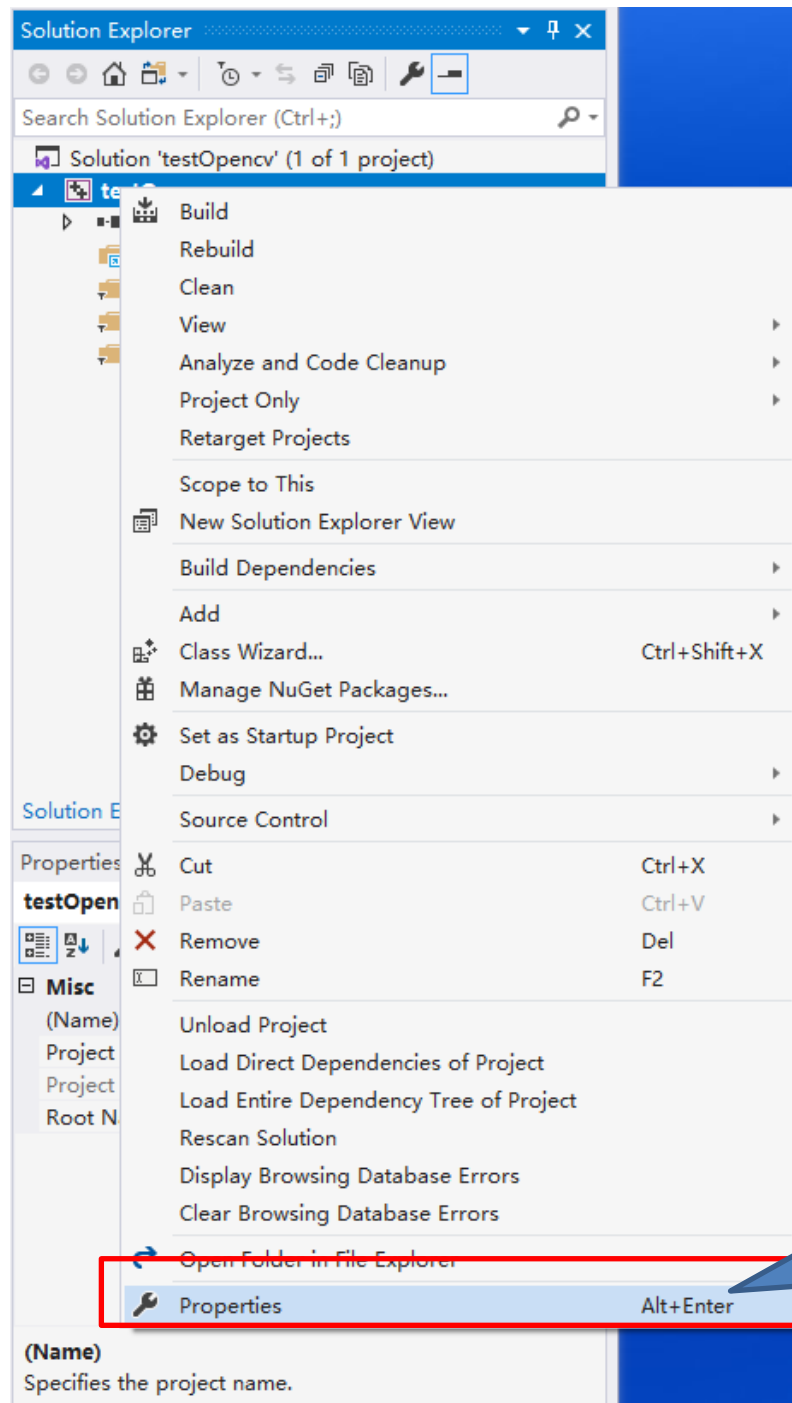
D:\sourcecode

Solution name *i*

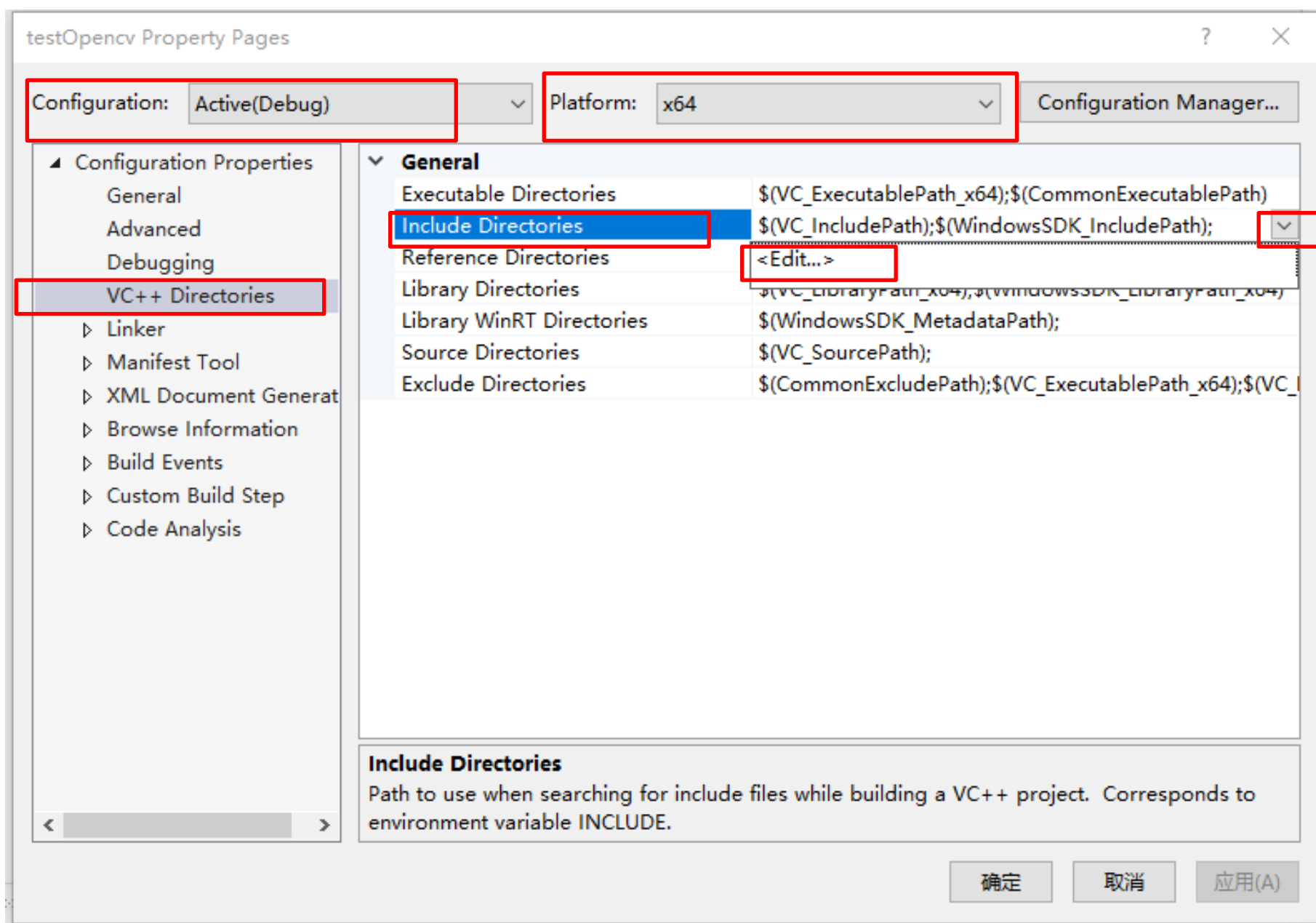
testOpencv

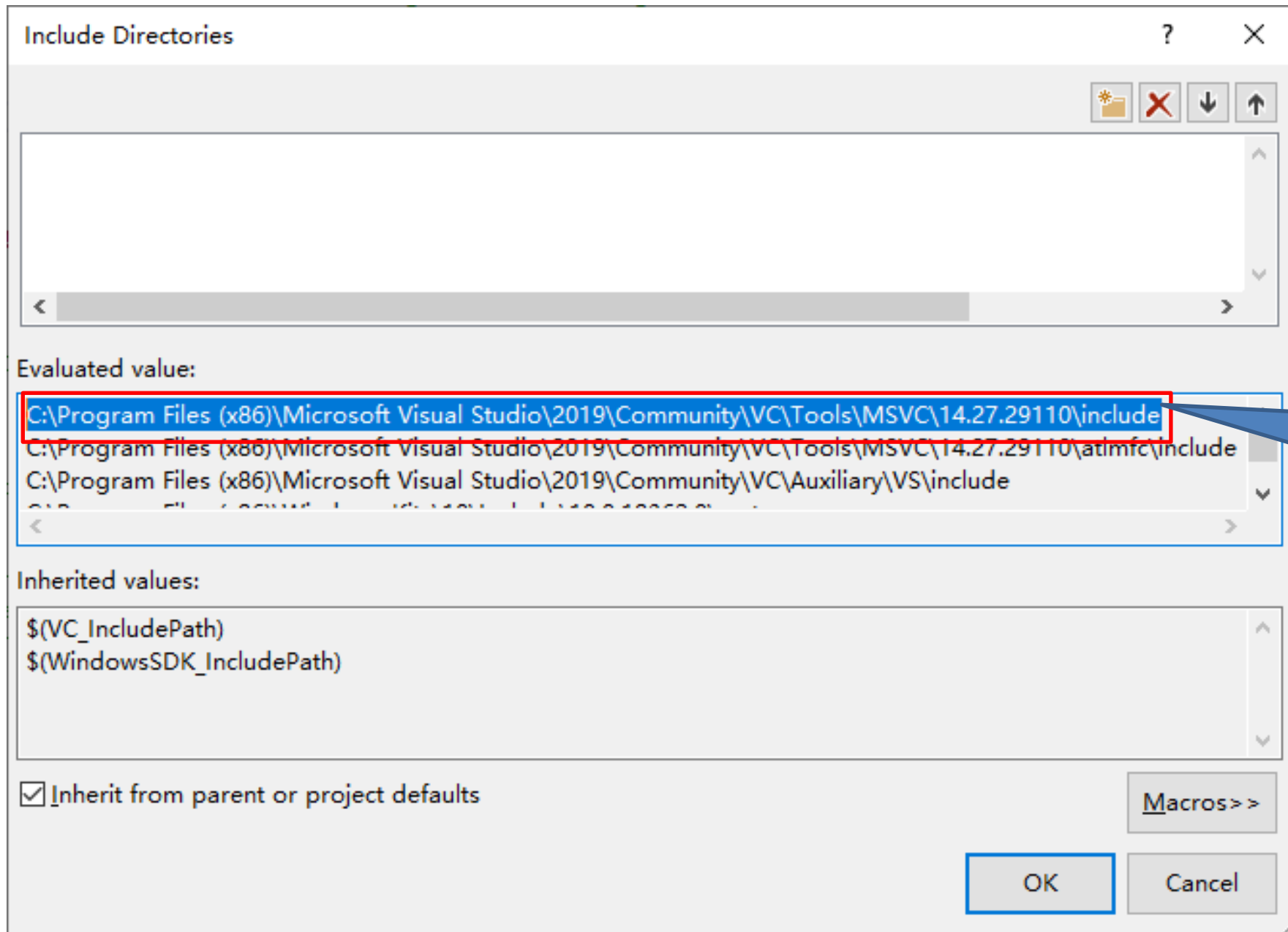
☐ Place solution and project in the same directory

Back Create



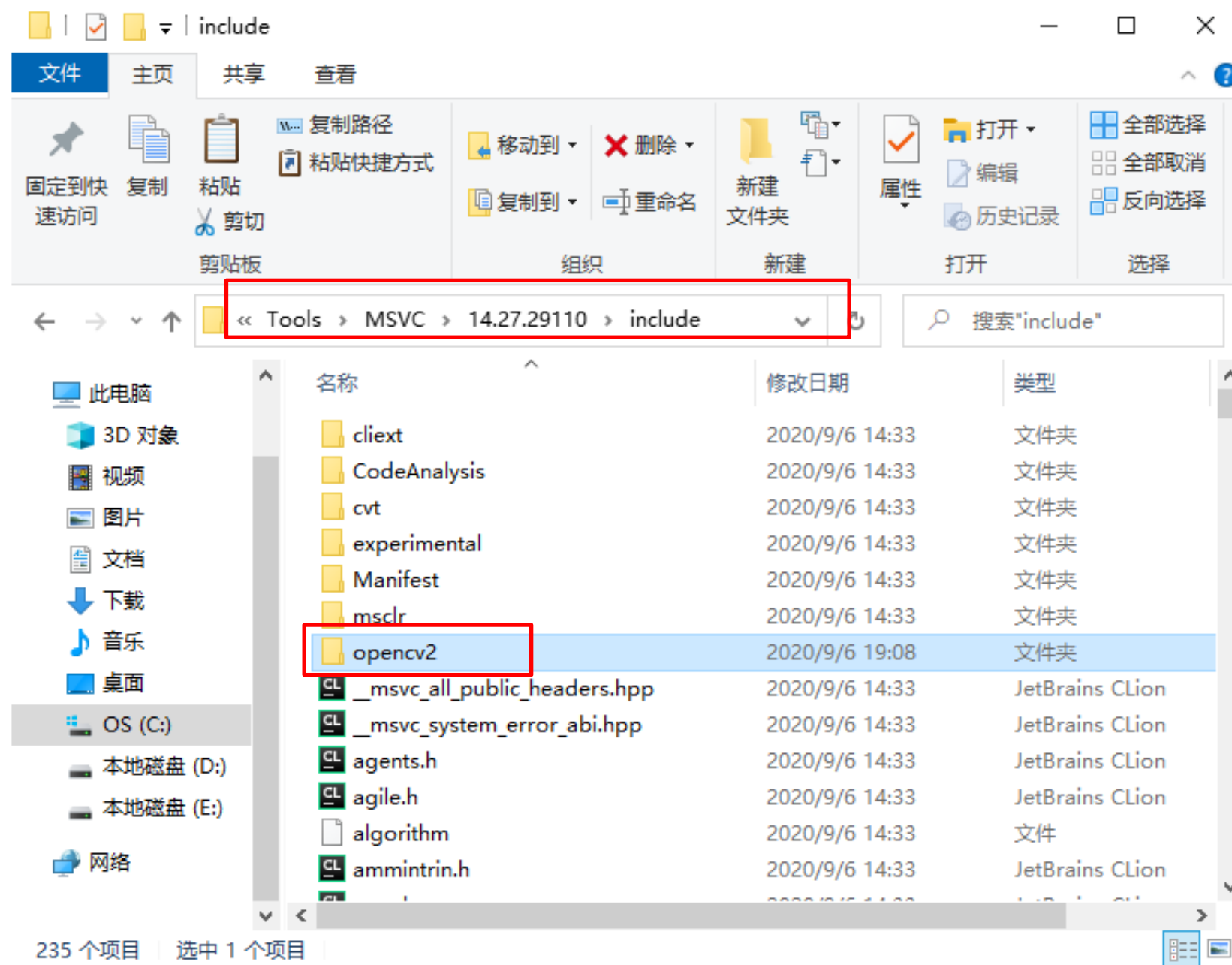
Right click the
mouse at your
project name
and choose
“Properties”
menu item



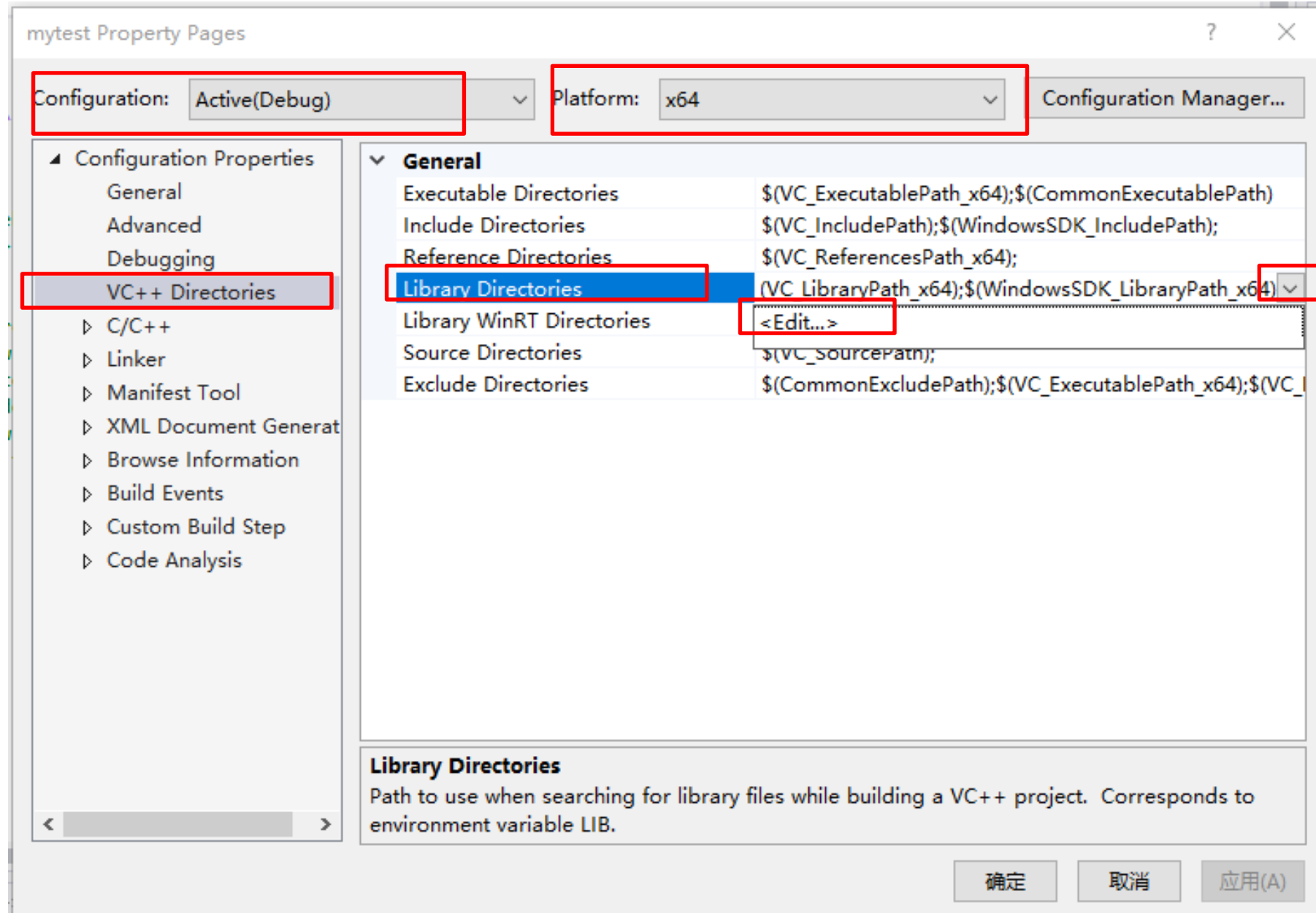


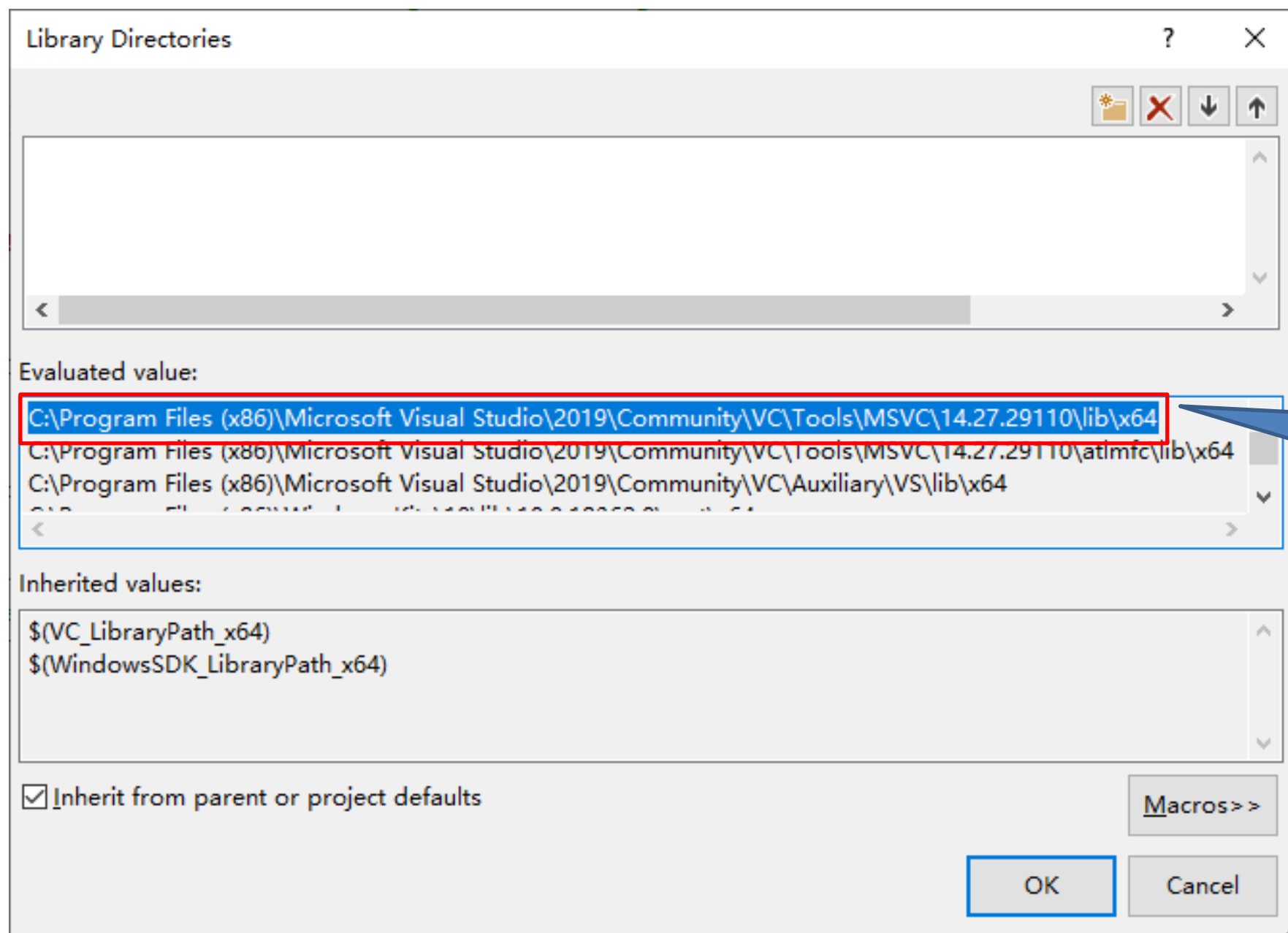
copy the directory

Copy the “opencv2” folder which is in the “D:\Software\opencv\build\include” to the directory you just copied



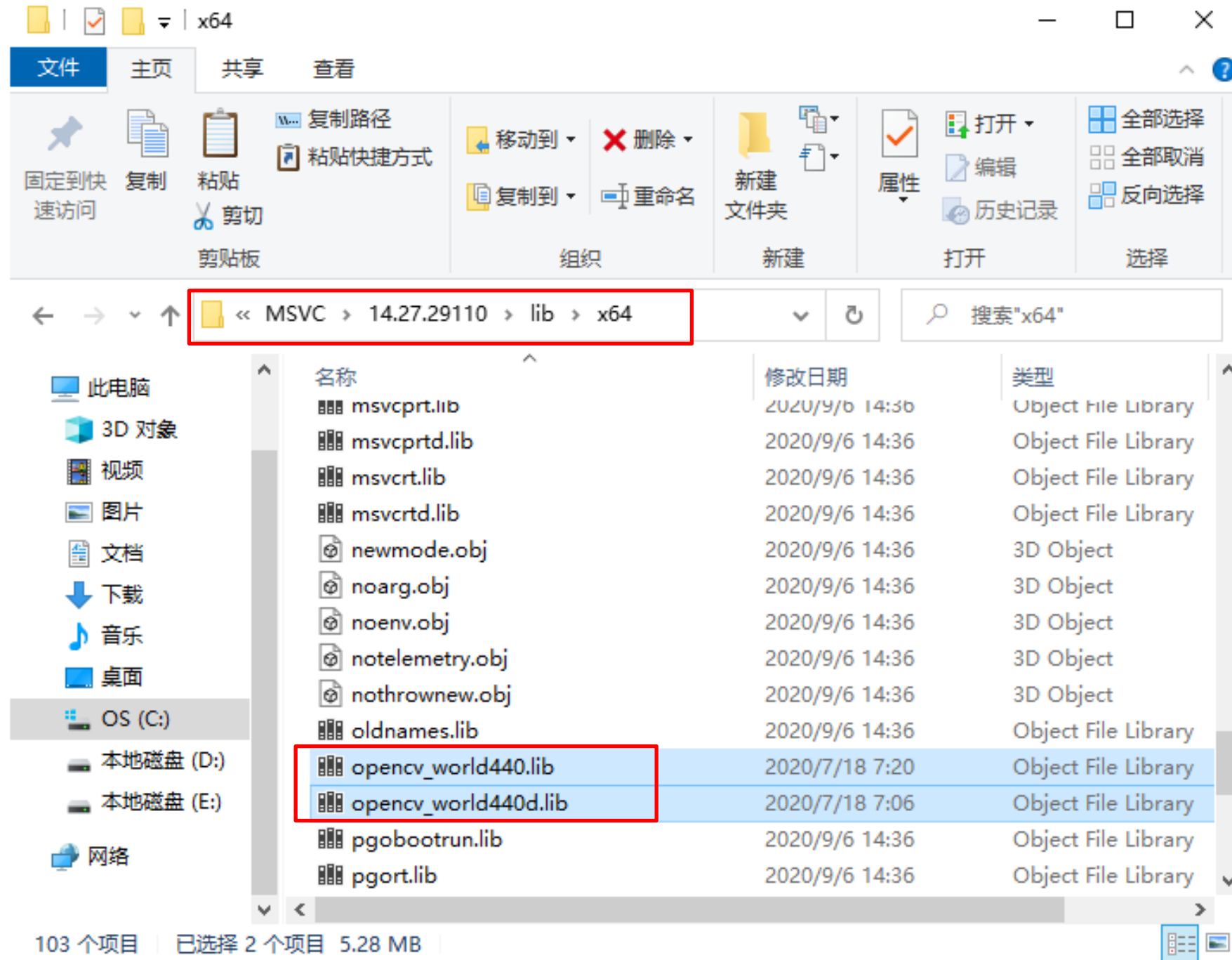
Open the “Properties” window for the second time, and choose “Library Directories”



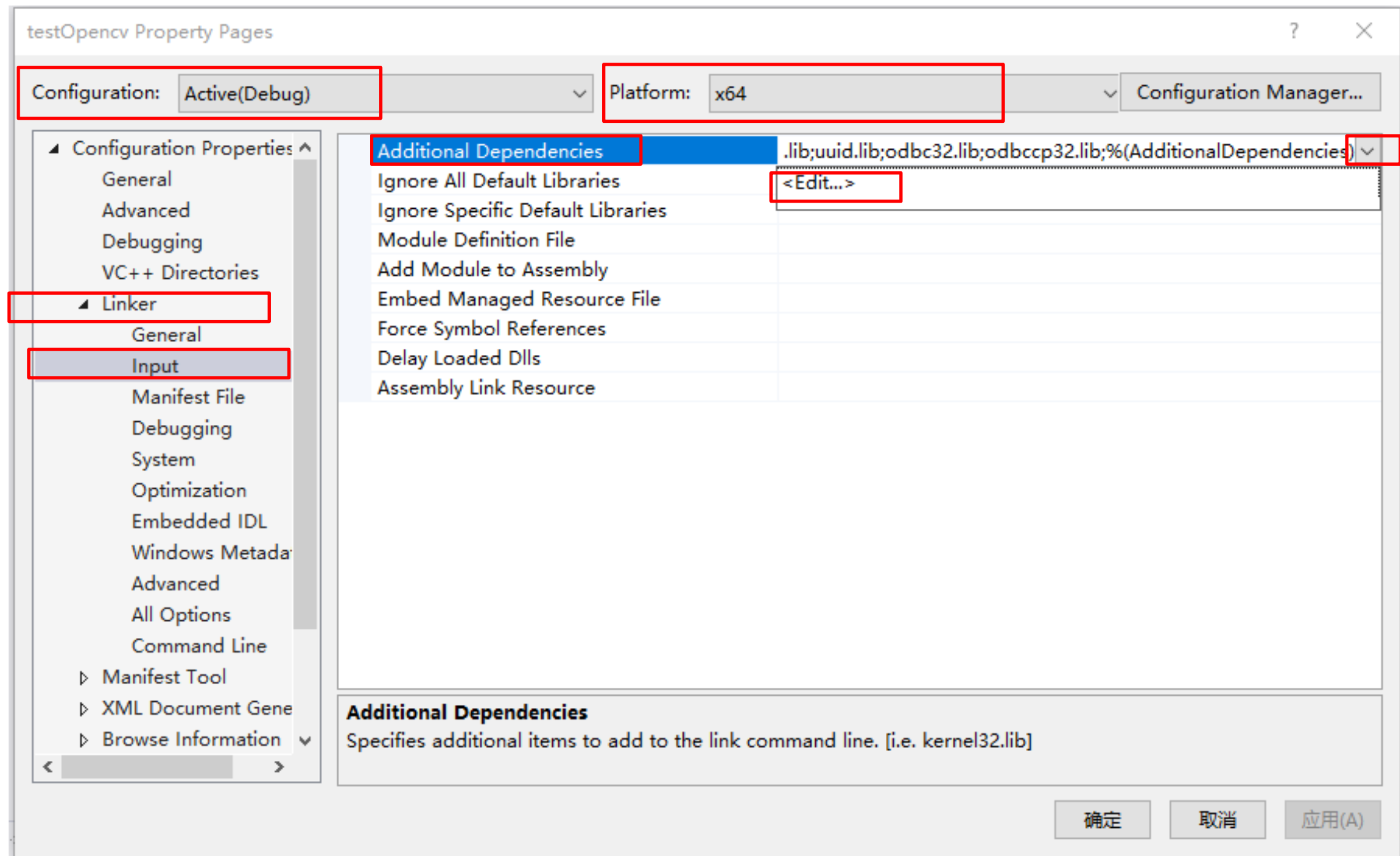


copy the directory

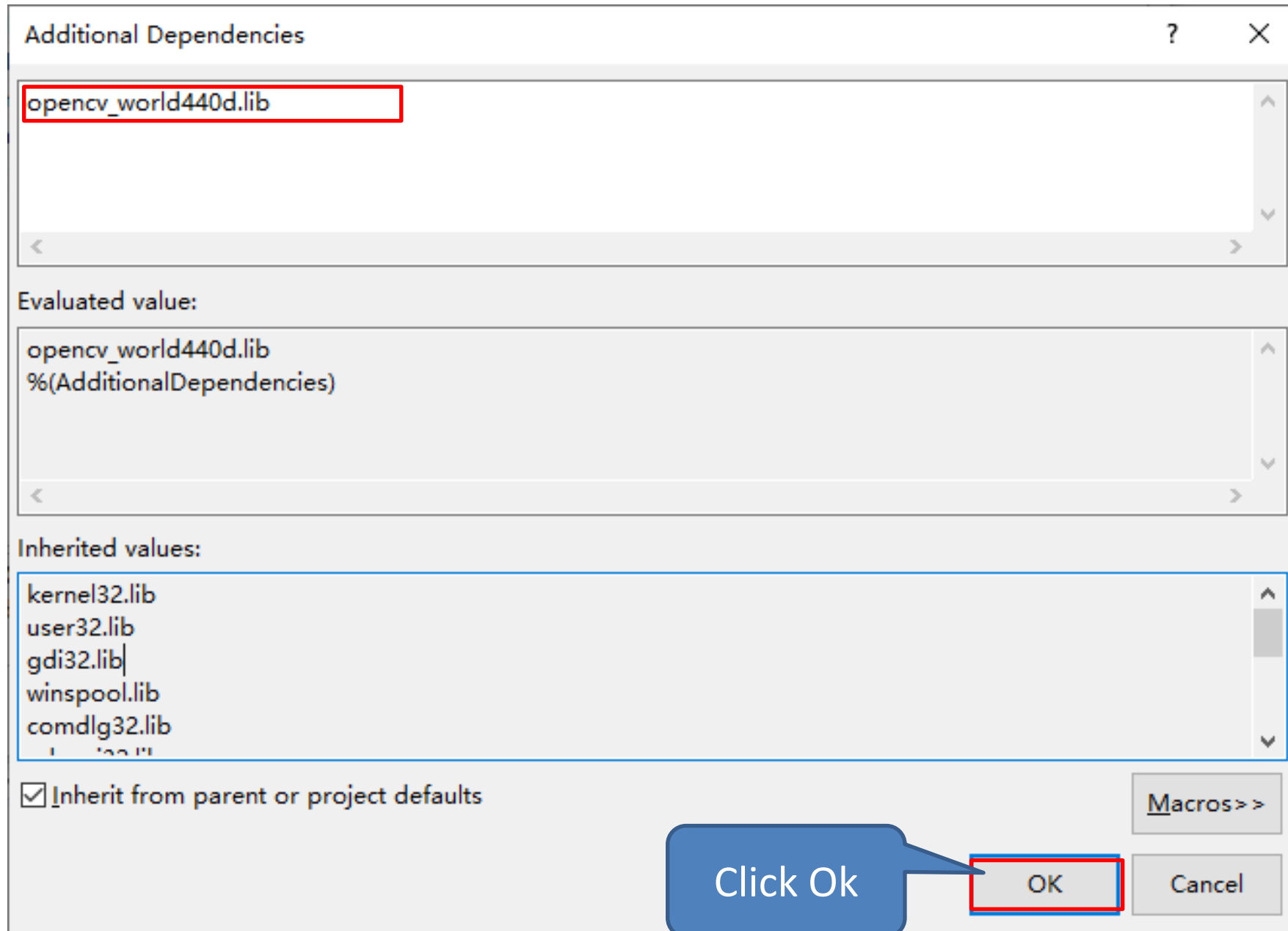
Copy the two files(opencv_world440.lib and opencv_world440d.lib) which are in the “D:\Software\opencv\build\x64\vc15\lib” to the directory you just copied

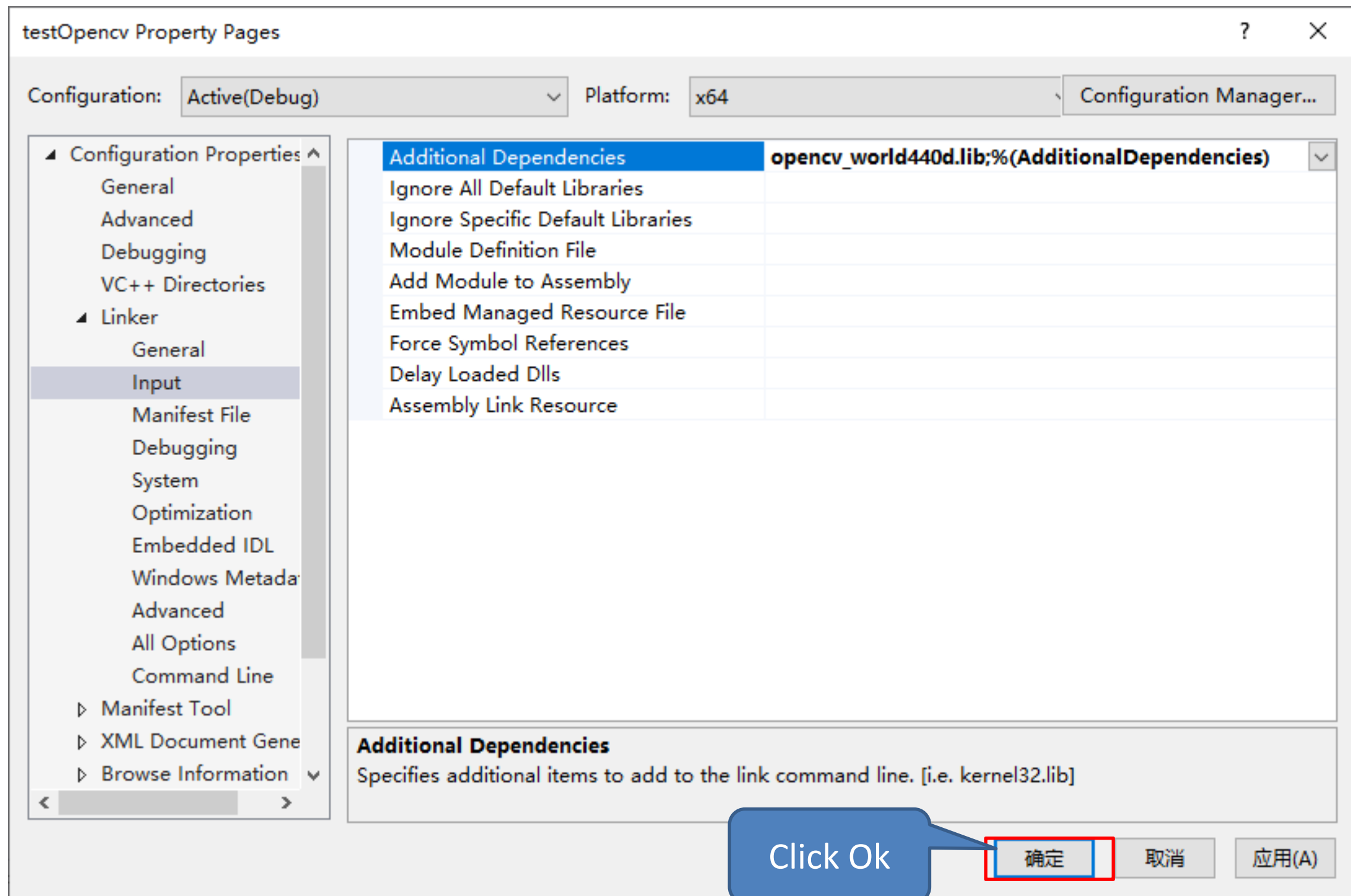


Open the “Properties” window for the third time, and choose “Linker”



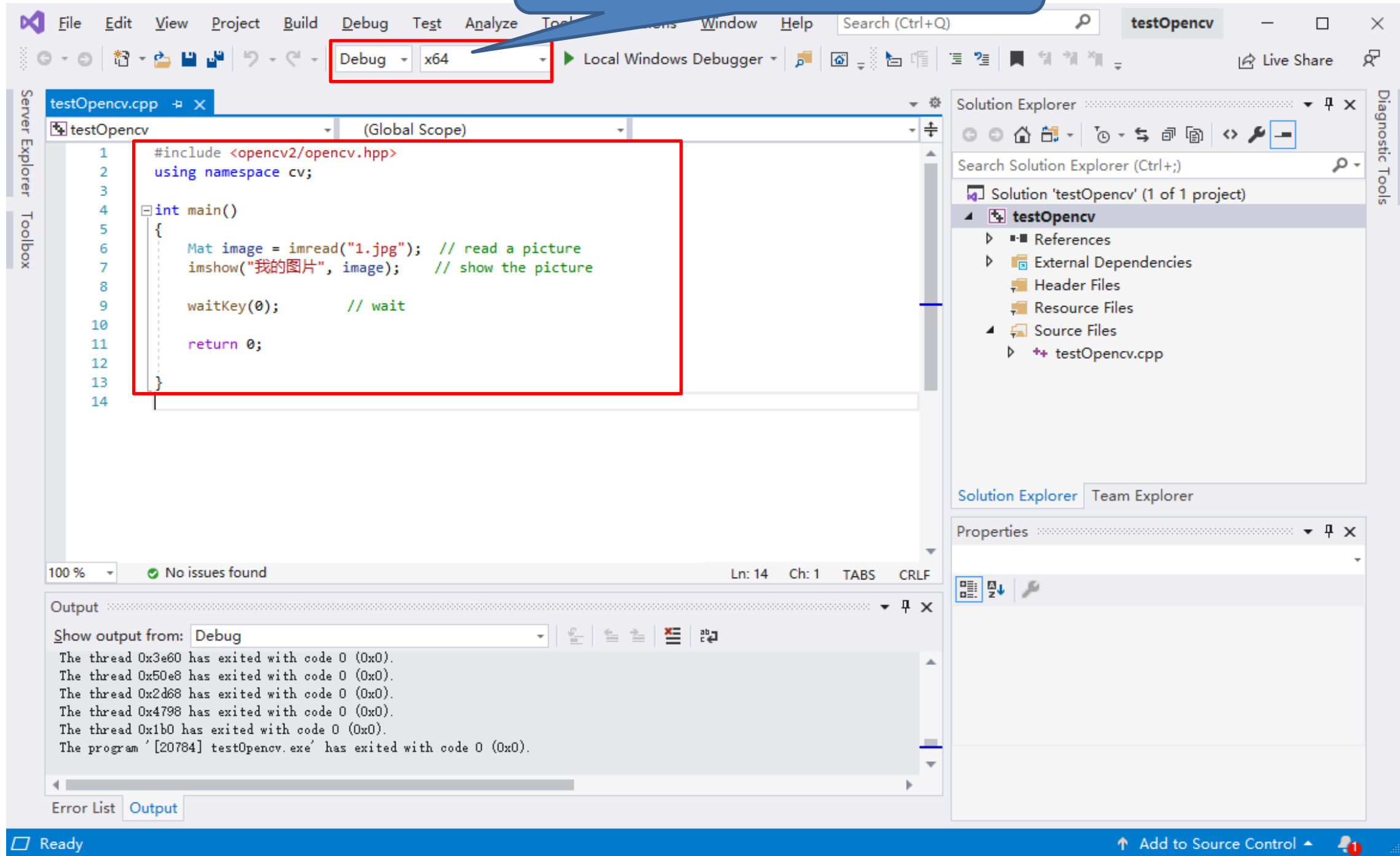
Copy the filename “opencv_world440d.lib” in the D:\Software\opencv\build\x64\vc15\lib folder to the “Additional Dependencies”





Test your opencv

Notice: Debug must be x64



C:\Users\lichuanwei\source\repos\testOpencv\x64\Debug\testOpencv.exe

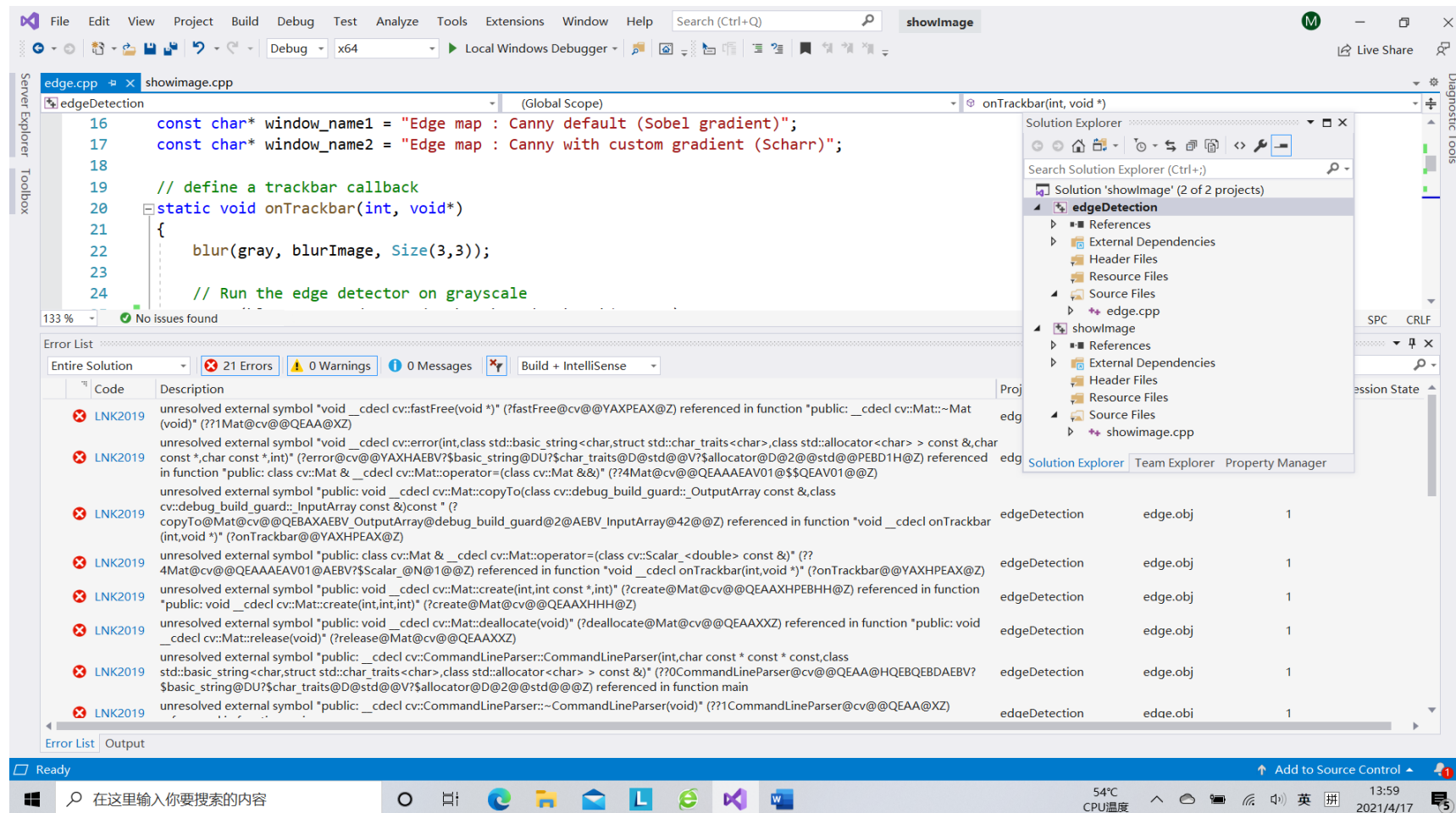


我的图片



Note:

After OpenCV is installed, you will need to add additional dependencies to the **project** each time you use it. Copy the file name of OpenCV_World440d.lib into the additional dependency. Otherwise, the compiler will report a LINK 2019 error, and many OpenCV library functions cannot be resolved.



Install openCV on macOs

<https://blog.csdn.net/wo164683812/article/details/80114999>

<https://www.cnblogs.com/linjk/p/6029306.html>

Configure openCV on CLion

<https://www.pianshen.com/article/539860361/>

Install openCV on ubuntu

<https://learnopencv.com/install-opencv-3-4-4-on-ubuntu-16-04/>