

[windows 10] problem openpose 呼叫 python api 跑出 pyopenpose not model :

```
C:\Users\User\AppData\Local\Programs\Python\Python38\python.exe C:/Users/user/Documents/openpose-master/buildDemo/examples/tutorial_api_python/01_body_from_image.py
Error: OpenPose library could not be found. Did you enable 'BUILD_PYTHON' in CMake and have this Python script in the right folder?
No module named 'pyopenpose'

Process finished with exit code -1
```

騷敬大神協助解決：

(1)降低 python 版本至 3.7 (trans your python version to python3.7)

先至官網抓 python3.7.0 / Windows x86-64 executable installer

python.org/downloads/release/python-370/

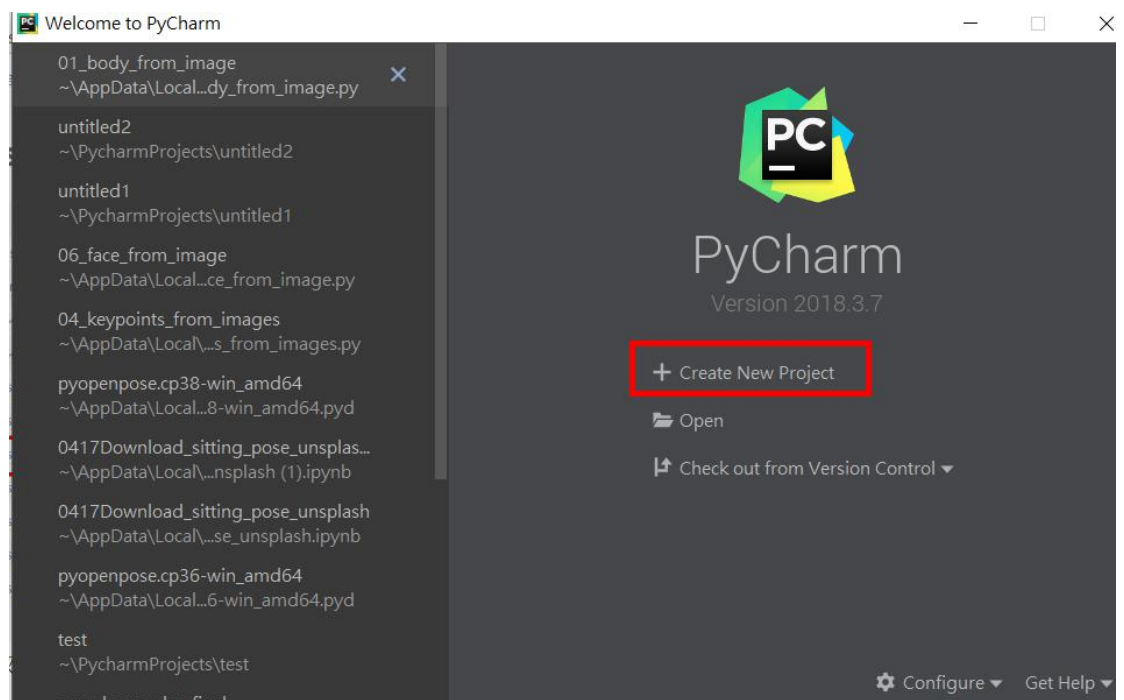
Both python.org installer variants include private copies of OpenSSL 1.1.0. Please carefully read the Important Information displayed during installation for information about SSL/TLS certificate validation and the Install Certificates.command.

[Full Changelog](#)

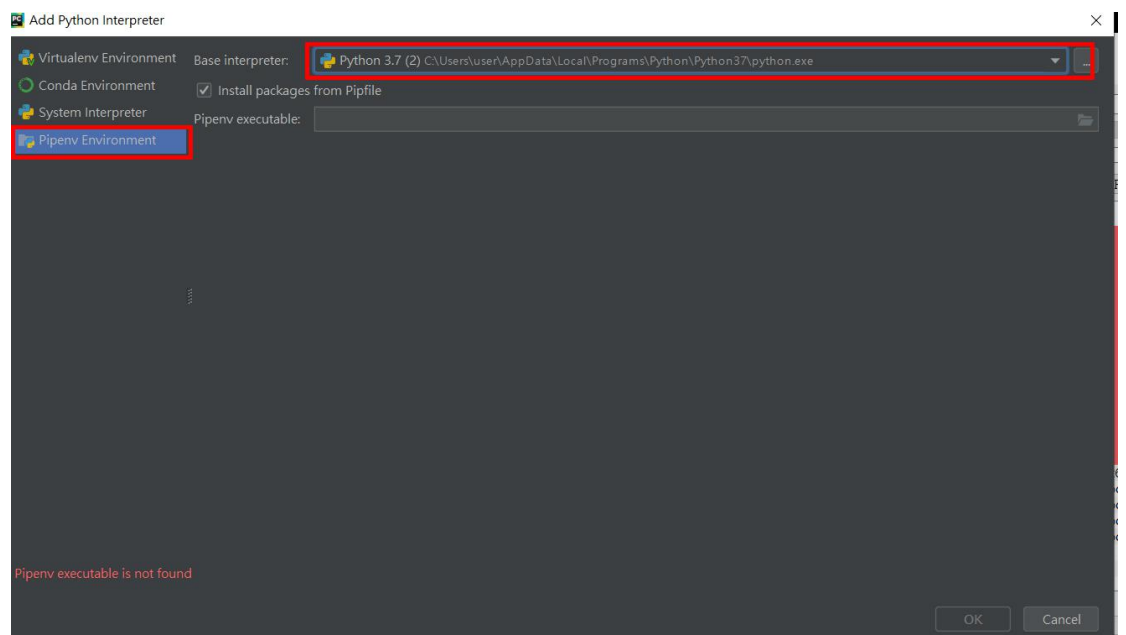
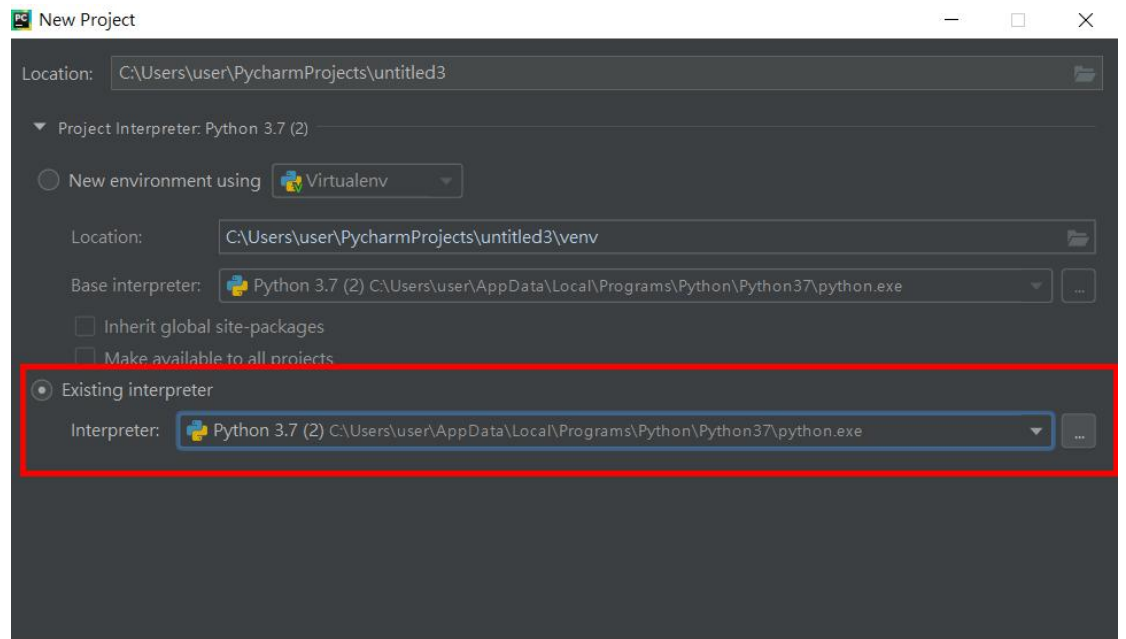
## Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
<a href="#">Gzipped source tarball</a>	Source release		41b6595deb4147a1ed517a7d9a580271	22745726	<a href="#">SIG</a>
<a href="#">XZ compressed source tarball</a>	Source release		eb8c2a6b1447d50813c02714af4681f3	16922100	<a href="#">SIG</a>
<a href="#">macOS 64-bit/32-bit installer</a>	Mac OS X	for Mac OS X 10.6 and later	ca3eb84092d0ff6d02e42f63a734338e	34274481	<a href="#">SIG</a>
<a href="#">macOS 64-bit installer</a>	Mac OS X	for OS X 10.9 and later	ae0717a02efea3b0eb34aad680dc498	27651276	<a href="#">SIG</a>
<a href="#">Windows help file</a>	Windows		46562af86c2049d0cc7680348180dca	8547689	<a href="#">SIG</a>
<a href="#">Windows x86-64 embeddable zip file</a>	Windows	for AMD64/EM64T/x64	cb8b4f0d979a36258f73ed541def10a5	6946082	<a href="#">SIG</a>
<b><a href="#">Windows x86-64 executable installer</a></b>	Windows	for AMD64/EM64T/x64	531c3fc821ce0a4107b6d2c6a129be3e	26262280	<a href="#">SIG</a>
<a href="#">Windows x86-64 web-based installer</a>	Windows	for AMD64/EM64T/x64	3cfdaf4c8d3b0475aaec12ba402d04d2	1327160	<a href="#">SIG</a>
<a href="#">Windows x86 embeddable zip file</a>	Windows		ed9a1c028c1e99f5323b9c20723d7d6f	6395982	<a href="#">SIG</a>
<a href="#">Windows x86 executable installer</a>	Windows		ebb6444c284c1447e902e87381afeff0	25506832	<a href="#">SIG</a>
<a href="#">Windows x86 web-based installer</a>	Windows		779c4085464eb3ee5b1a4fffd0eabca4	1298280	<a href="#">SIG</a>

再來至 pycharm 上設置環境 (setting python3.7 in pycharm) :

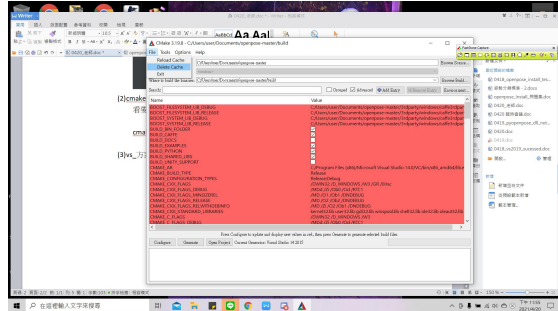


## 設置 python3.7 的 project

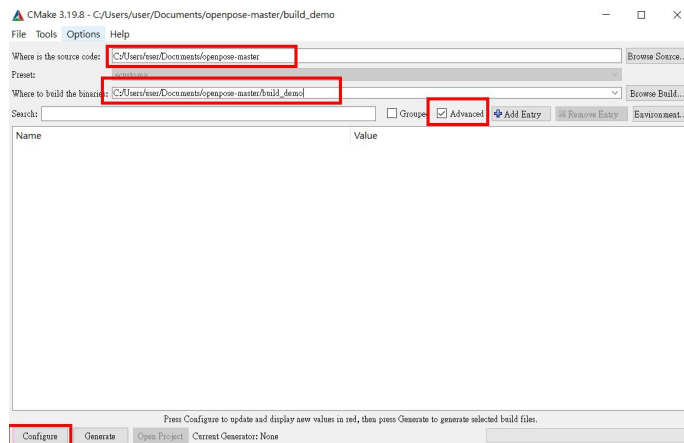


(2)cmake [rebuild]重建：

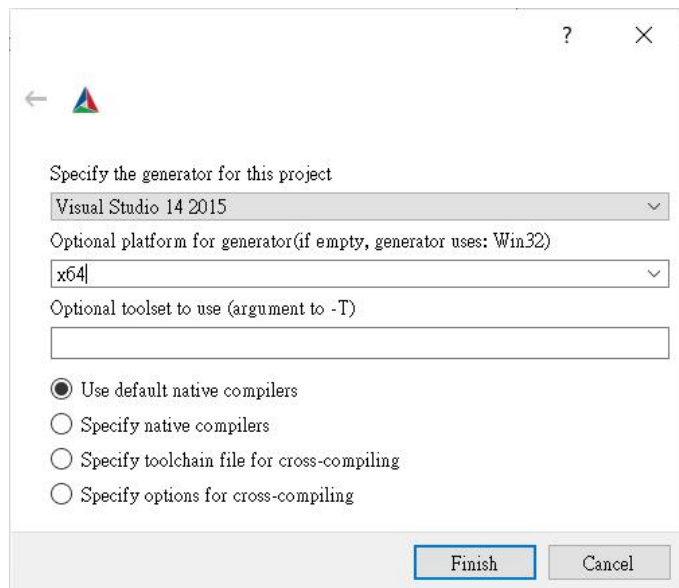
看要不要把 build 幹掉，如果不幹掉，再創一個新的 build2  
然後 delete\_Cache



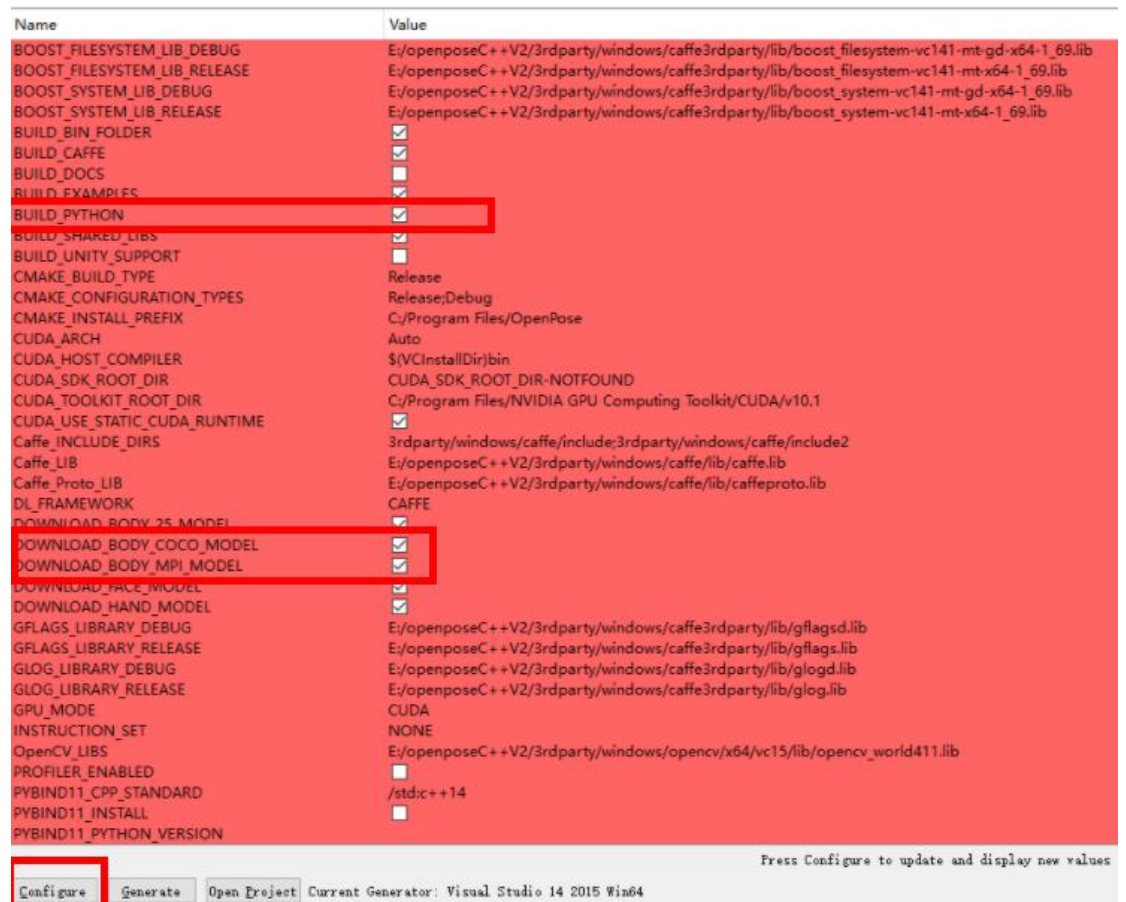
把 source\_code 跟 build the binaries 的路徑放好(insert your path)  
-> advanced[check]勾起來 -> configures



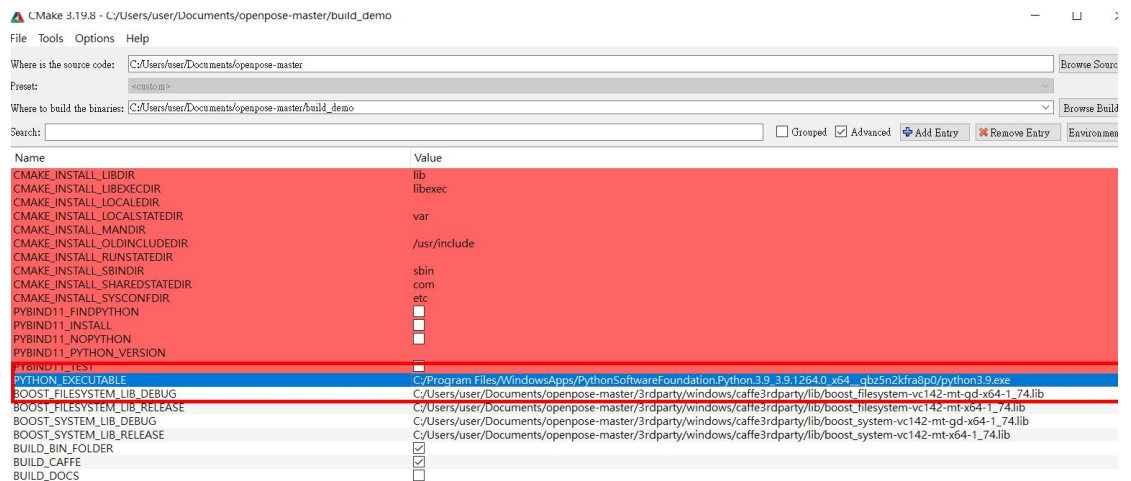
選好你的版本 跟 位元組 choose your version



build\_python 先 configure 1 次 (once time)

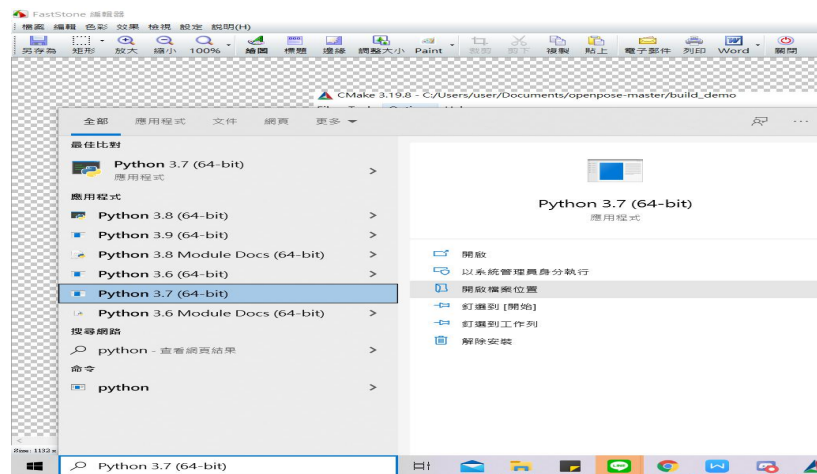


更改 python3.7 路徑 (change python\_executable path to python3.7)

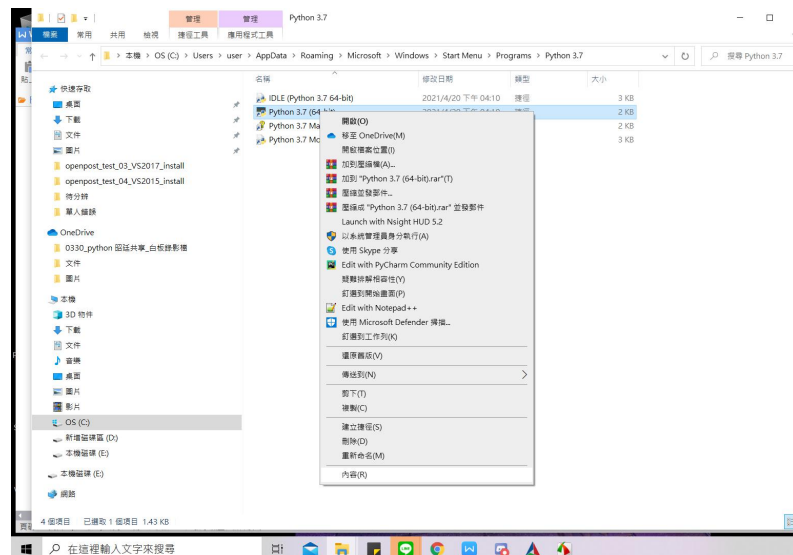


python3.7 的路徑如果找不到，可以到這邊，開啟檔案位置

If you don't find the path, you could use windows serf to find python3.7, then open start position, then copy it.

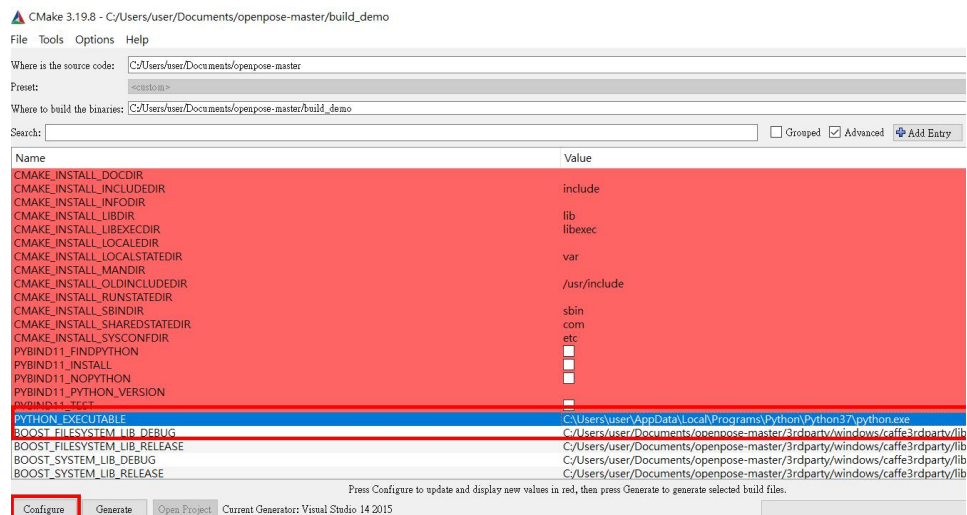


內容 -> 複製路徑 (copy\_path)



路徑改成 python3.7 後，再 configure 一次

change the path to python37, then configure



確認沒有紅紅的區塊，再 generate  
confirm non area is red, then generate

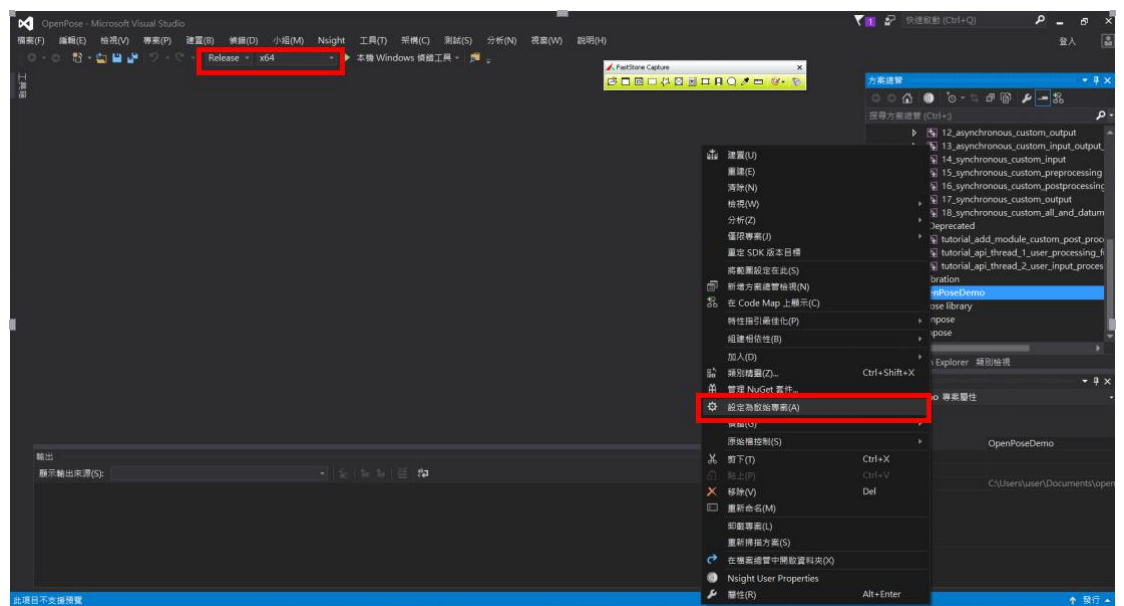


再 then open project

(3)vs\_方案重建 Build\_Project

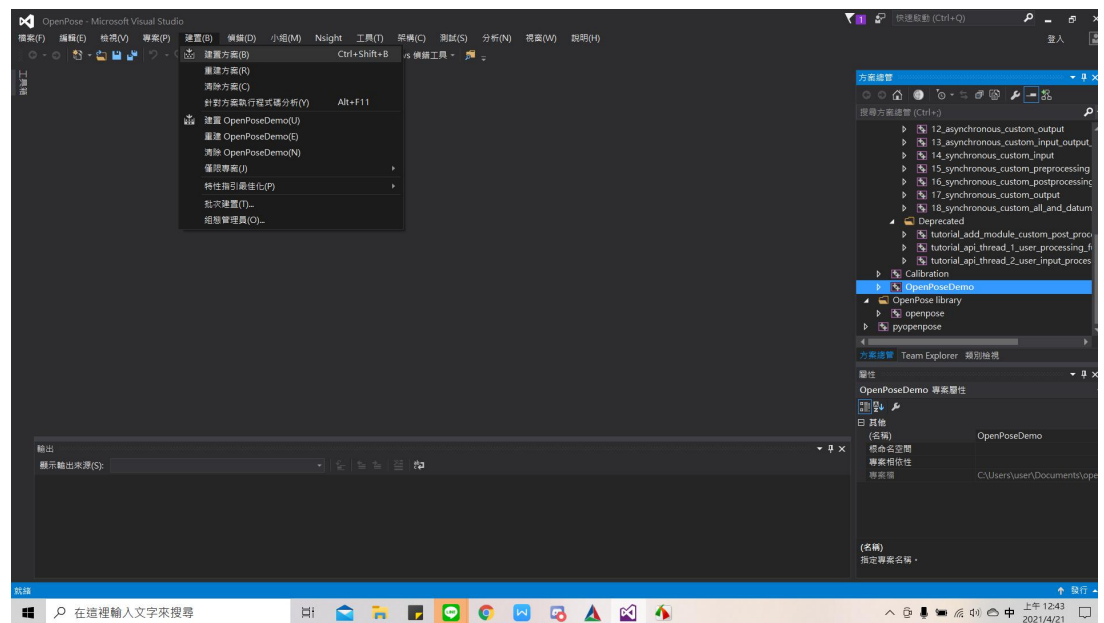
將 Debug 換成 release (first change Debug to release)

將 openposeDemo 設為啟動專案 (second default start project is openposeDemo)

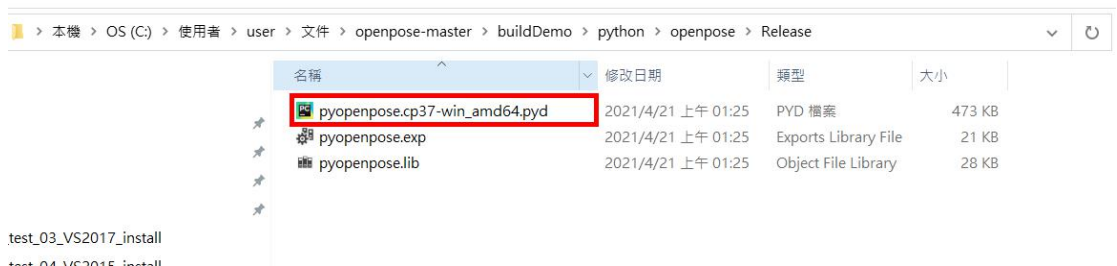




## 建置方案 build\_project

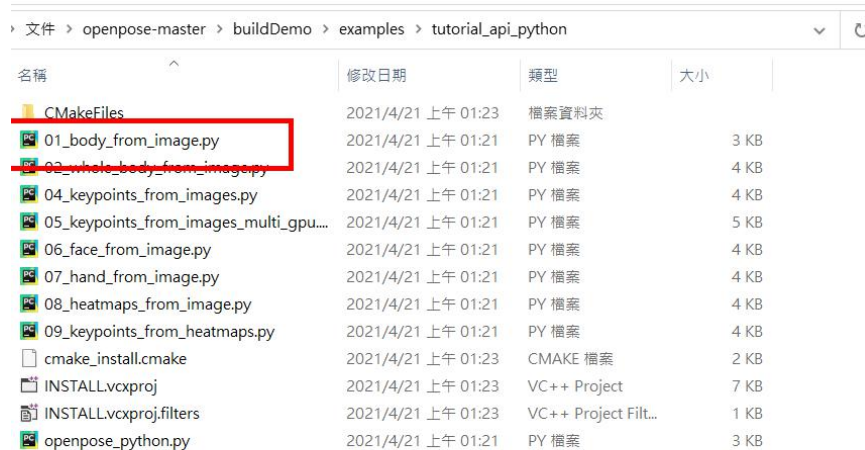


去 `openpose-master\buildDemo\python\openpose\Release`  
查看有沒有生成 `pyd` 檔 (check the file `.pyd`)

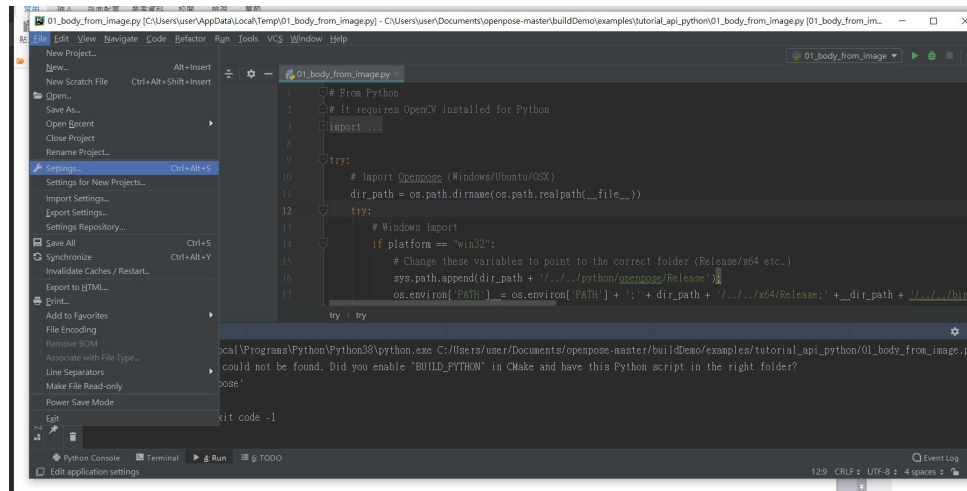


test\_03\_VS2017\_install  
test\_04\_VS2015\_install

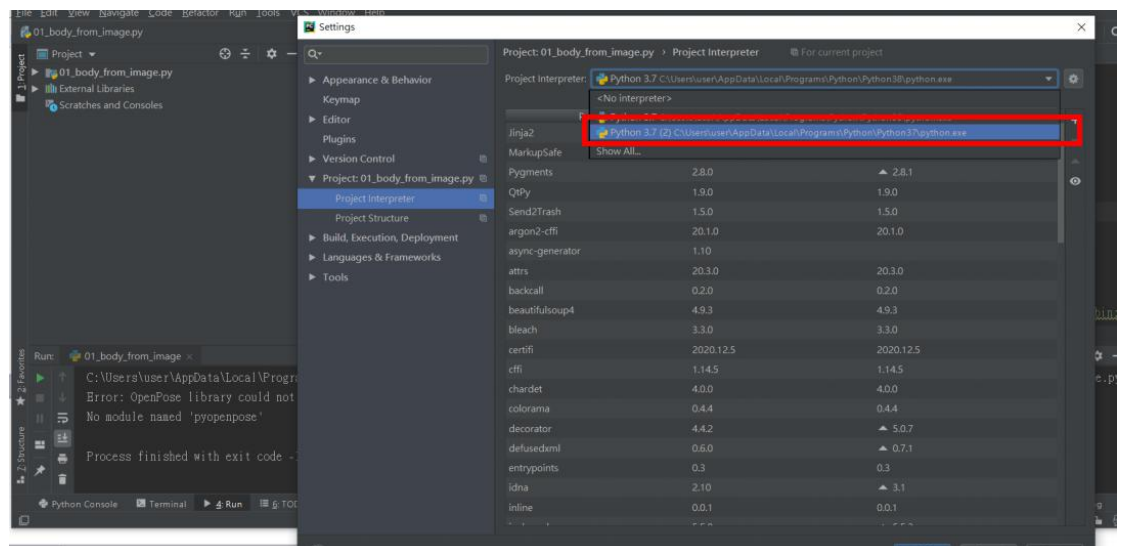
再去 `openpose-master\buildDemo\examples\tutorial_api_python`  
找一個 `py` 檔打開執行 `python` (open anyone `.py` file)



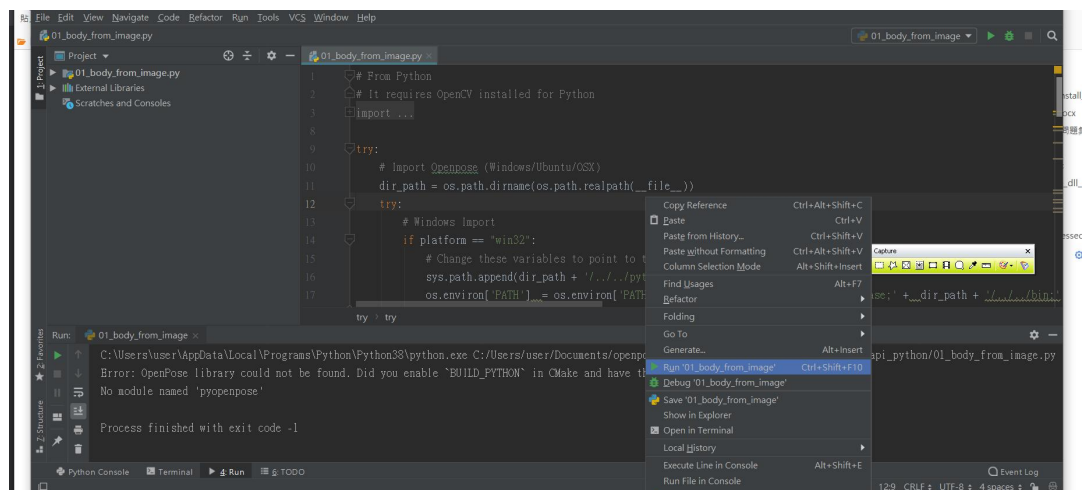
確認 setting 有沒有改到 python37  
(make sure that setting is change python37)



改成 python37  
change to python37



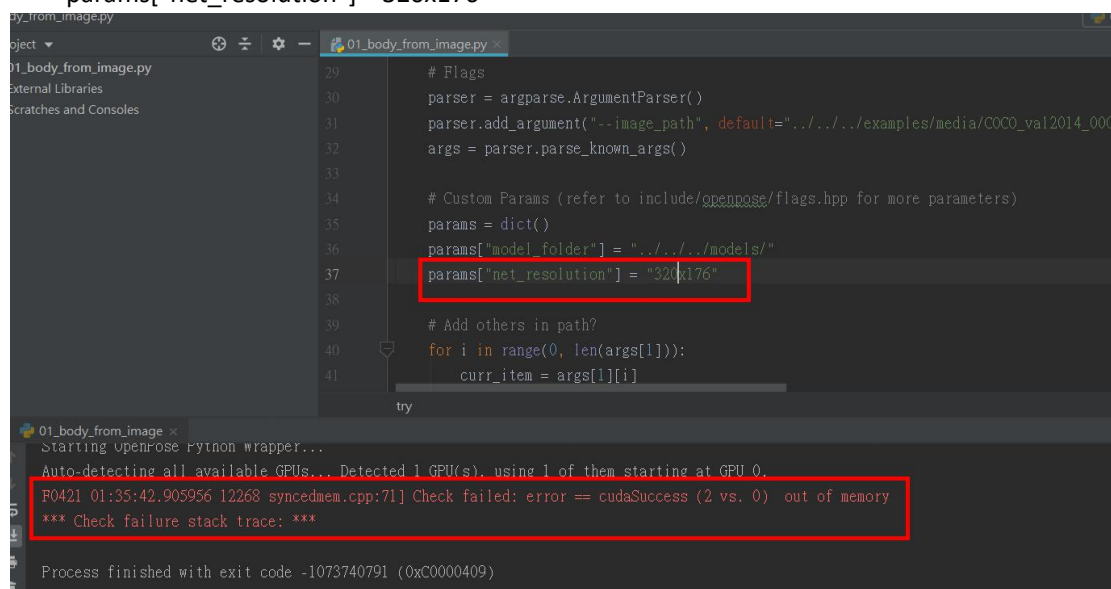
執行 run





如果 Ram 不夠，跳出 out of memory，可以加入指令：

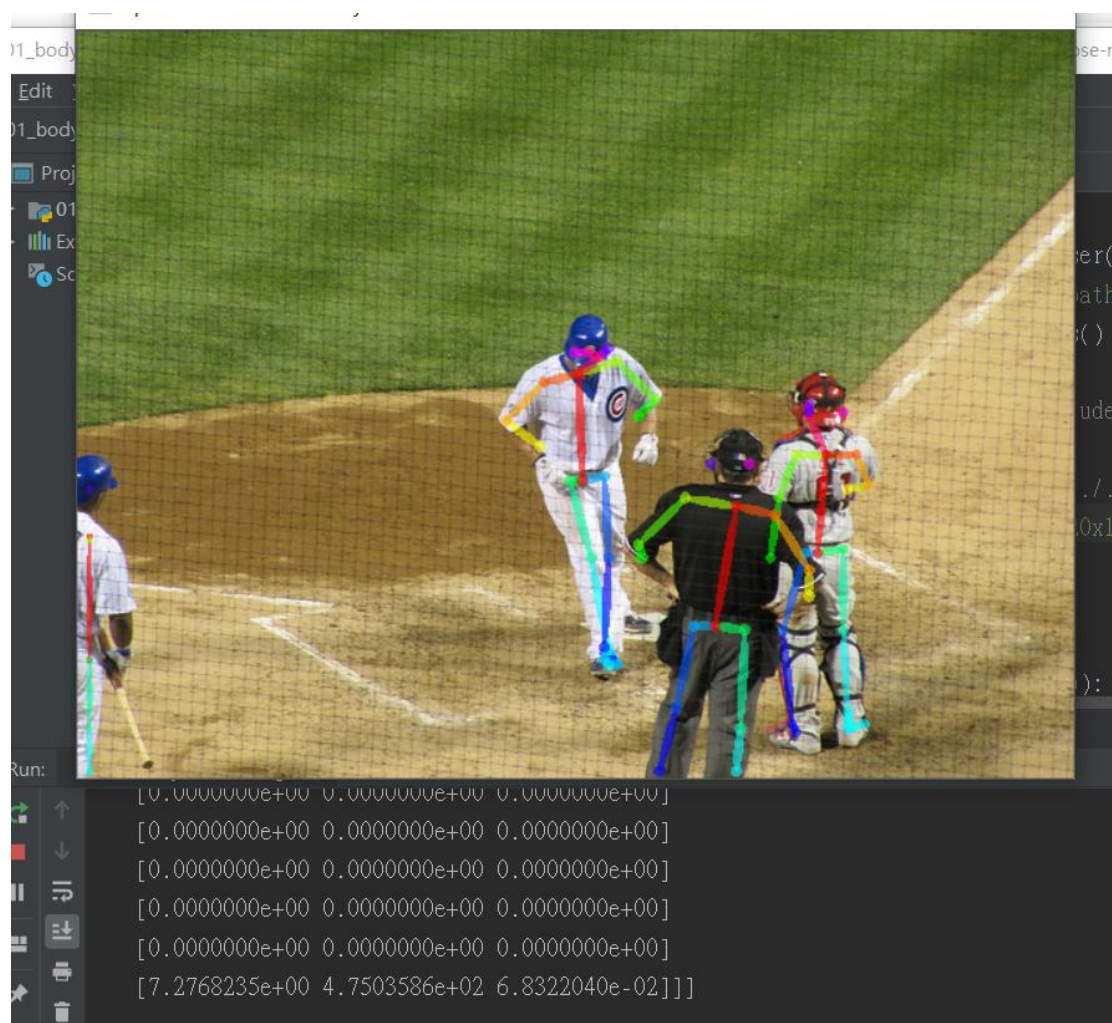
`params["net_resolution"]="320x176"`



```
01_body_from_image.py
29 # Flags
30 parser = argparse.ArgumentParser()
31 parser.add_argument("--image_path", default="../../../examples/media/COCO_val2014_000000000000.jpg")
32 args = parser.parse_known_args()
33
34 # Custom Params (refer to include/openpose/flags.hpp for more parameters)
35 params = dict()
36 params["model_folder"] = "../../../models/"
37 params["net_resolution"] = "320x176"
38
39 # Add others in path?
40 for i in range(0, len(args[1])):
41     curr_item = args[1][i]
```

01\_body\_from\_image ×  
Starting OpenPose Python wrapper...  
Auto-detecting all available GPUs... Detected 1 GPU(s), using 1 of them starting at GPU 0.  
P0421 01:35:42.905956 12268 syncedmem.cpp:71] Check failed: error == cudaSuccess (2 vs. 0) out of memory  
\*\*\* Check failure stack trace: \*\*\*  
Process finished with exit code -1073740791 (0xC0000409)

搞定 finish



指令集

params

<https://blog.csdn.net/zziehgf/article/details/84668319>