

Lab 1 Report

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(1) Steps or commands in each part / Results of each step

```
Windows PowerShell
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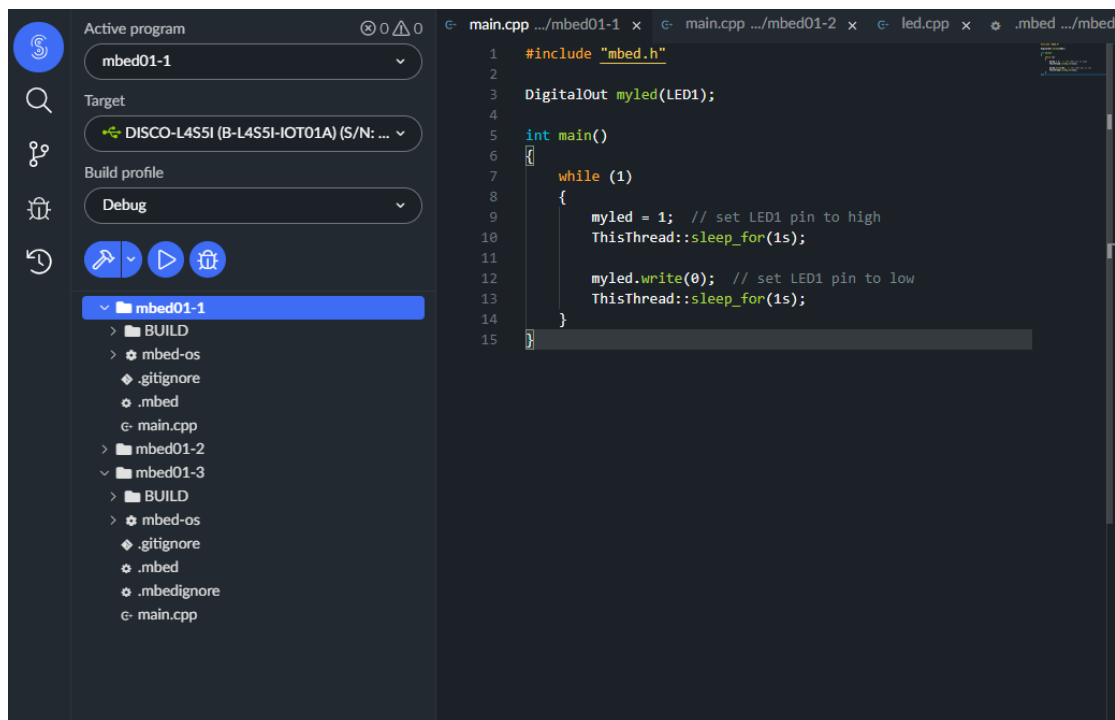
請嘗試新的跨平台 PowerShell https://aka.ms/pscore6

PS C:\WINDOWS\system32> Set-ExecutionPolicy RemoteSigned

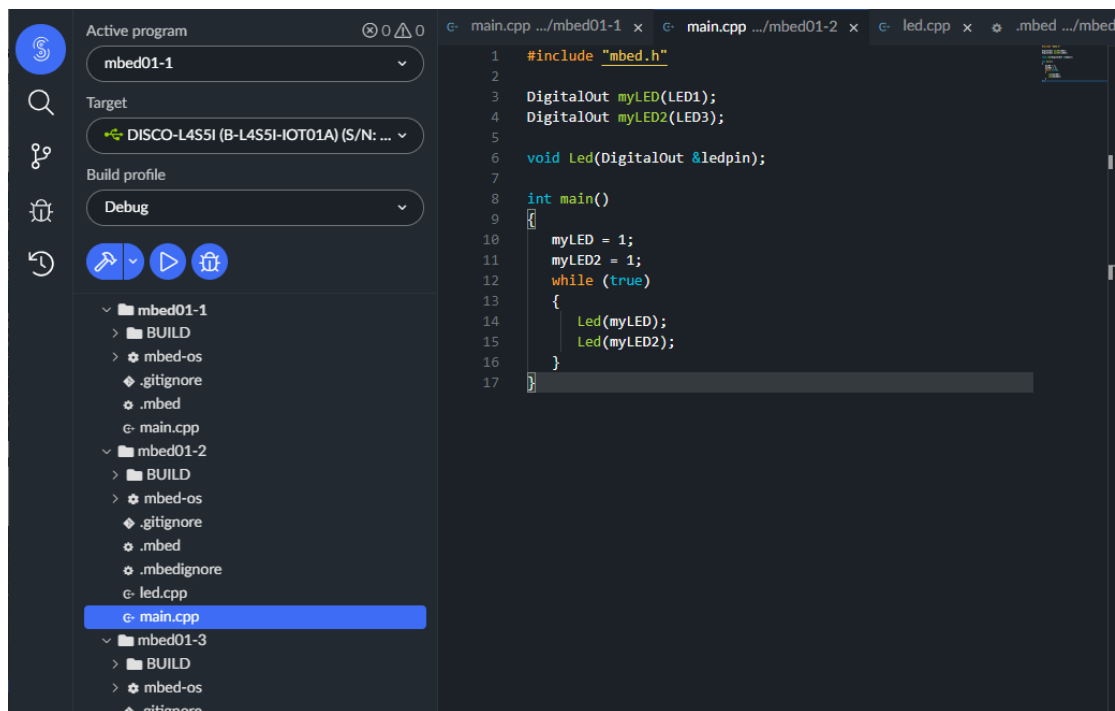
執行原則變更
執行原則有助於防範您不信任的指令碼。如果變更執行原則，可能會使您接觸到 about Execution_Policies 說明主題 (網址為
https://go.microsoft.com/fwlink/?LinkID=135170) 中所述的安全性風險。您要變更執行原則嗎？
[Y] 是(Y) [A] 全部皆是(A) [N] 否(N) [L] 全部皆否(L) [S] 暫停(S) [?] 說明 (預設值為 "N"): A
PS C:\WINDOWS\system32> & "D:\User\shortcut.ps1"
PS C:\WINDOWS\system32> & "D:\User\env.ps1"
PS C:\WINDOWS\system32> $env:PATH
D:\Program Files\Python\Python312\;D:\Program Files\Microsoft VS Code\;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Program Files (x86)\Intel\Intel(R) Management Engine Components\iCLS\;C:\Program Files\Intel\Intel(R) Management Engine Components\iCLS\;C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Windows\System32\OpenSSH\;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32\WindowsPowerShell\v1.0\;C:\WINDOWS\System32\OpenSSH\;C:\Program Files (x86)\Intel\Intel(R) Management Engine Components\DAL;C:\Program Files\Intel\Intel(R) Management Engine Components\DAL;C:\Program Files\Intel\Intel(R) Management Engine Components\DAL;C:\Program Files (x86)\Intel\Intel(R) Management Engine Components\IPT;C:\Program Files\NVIDIA Corporation\NVIDIA NGX;C:\Program Files\PuTTY\;C:\Program Files\MATLAB\R2018a\runtime\win64;C:\Program Files\MATLAB\R2018a\bin;C:\Program Files (x86)\Pico Technology\PicoScope6\;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32\WindowsPowerShell\v1.0\;C:\WINDOWS\System32\OpenSSH\;C:\MinGW\bin;C:\MinGW\msys1.0\bin;C:\Micro_Lab\asem5113;C:\Users\user\AppData\Local\Microsoft\WindowsApps;C:\Users\user\AppData\Local\Programs\Microsoft VS Code\bin;C:\Program Files (x86)\SDCC\bin;C:\Users\user\AppData\Local\Programs\Python\Launcher\;
PS C:\WINDOWS\system32>
```

After setup the environment, we can check the variable.

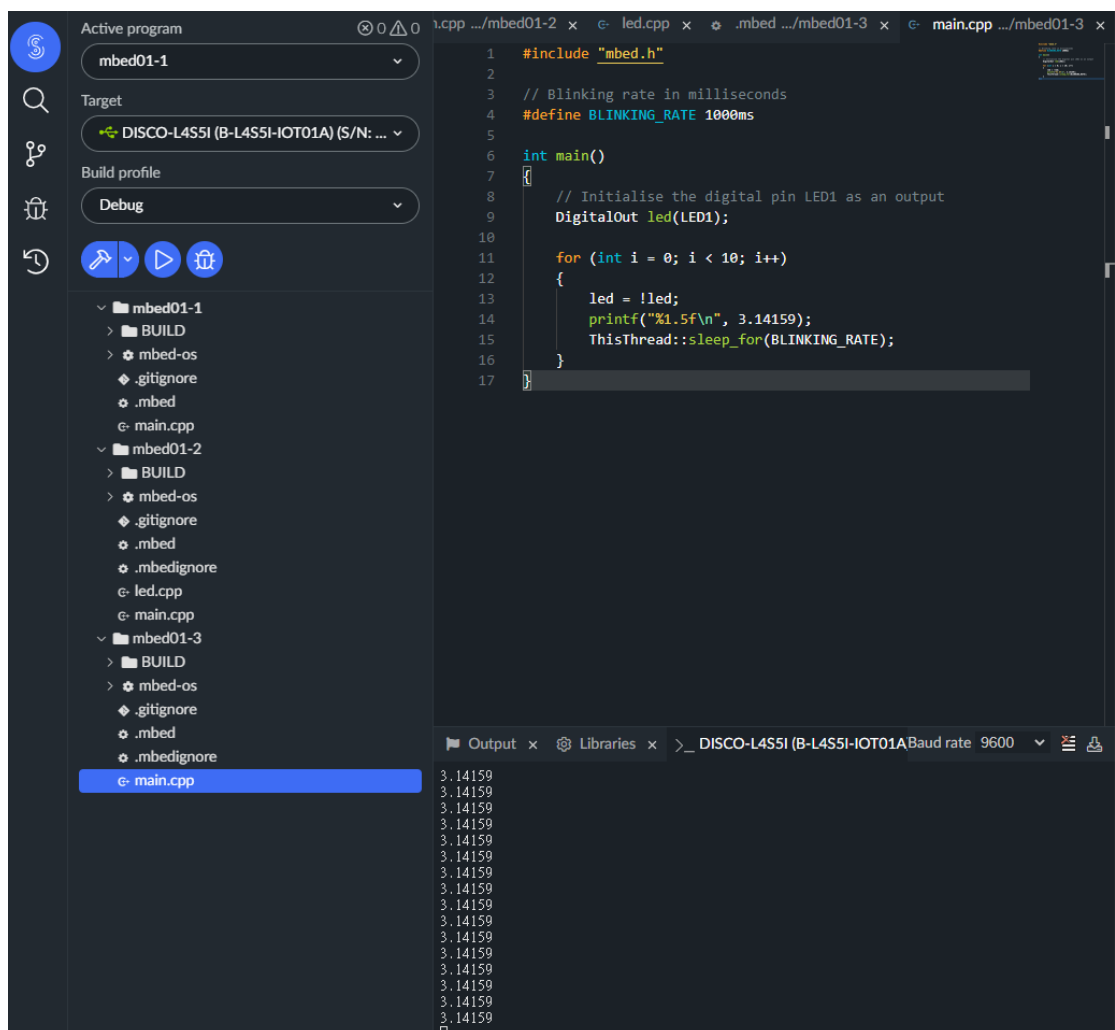
Mbed01-1



Mbed01-2 (with .mbedignore)



Mbed01-3 (print the floating point)



(2) Encountered issues

Following the workbook, you generally won't encounter any problems. The minor issue is that after placing the `.mbedignore` file in the root of the source code, you may see red crosses next to the file, but it won't actually affect the outcome.

(3) Discussion

This lab helps us learn how to operate the tools, and it's not very difficult!

(4) Check Point

