分組任務 1

What do you need to know fromhttp://www.coppeliarobotics.com/helpFiles/index.htmlto implement a four-wheeled robot?

依照 BubbleRob tutorial 跟 Line following BubbleRob tutorial，要使一個四輪車驅動的話每一個輪子要配有一個馬達，若要規劃其移動路徑，則須配合視覺感測器(vision sensors)以及路徑規劃(Menu bar --> Add --> Path --> Circle type)的功能還有程式的搭配。

Describe how to prepare a portable Python programming system for Windows 10 64bit system to allow one the maintain CMSiMDE website, Pelican blog and Reveal.js presentation on Github?

1.在隨身碟創建 data 的資料夾

2.創建 py382 資料夾，下載 python3.8.2，安裝時將 pip 的選項取消

3.創建 msys64 資料夾，下載 msys2

4.下載 PortableGit 到 data 底下

5.創 wscite432 資料夾，下載 SciTE

6.打開 SciTE，輸入

(1)start.bat

(2)stop.bat

(3)下載模組

```
1  @echo off
2  set Disk=y
3  subst %Disk%: "data"
4
5  %Disk%:
6
7  set HomePath=%Disk%:\home
8  set HomeDrive=%Disk%:\home
9  set Home=%Disk%:\home
10 set USERPROFILE=%Disk%:\home
11
12 REM 將系統 Python 程式的 io 設為 utf-8
13 set PYTHONIOENCODING="utf-8"
14
15 #REM for putty
16 #Set GIT_HOME=%CDisk%:\portablegit\bin\
17 #Set GIT_SSH=%Disk%:\putty\plink.exe
18
19 set PYTHONPATH=%Disk%:\py382\DLLs;%Disk%:\py382\Lib;%Disk%:\py382\Lib\site-packages;
20 set PYTHONHOME=%Disk%:\py382
21
22 set path_python=%Disk%:\py382;%Disk%:\py382\Scripts;
23 set path_msys2=%Disk%:\msys64\mingw64\bin;
24 set path_git=%Disk%:\portablegit\bin;
25 set path_tcc=%Disk%:\tcc;
26
27 path=%Disk%:;%path_python%;%path_msys2%;%path_git%;%path_tcc%;
28
29 start /MIN cmd.exe
30 start /MIN cmd.exe
31 start /MIN cmd.exe
32 start /MIN cmd.exe
33
34 start /MIN %Disk%:\wscite432\wscite\SciTE.exe
35 start /MIN %Disk%:\wscite432\wscite\SciTE.exe
36
37 Exit
```

1

```
1  @echo off
2  set Disk=y
3  path=%PATH%;
4
5  taskkill /IM python.exe /F
6  taskkill /IM pythonw.exe /F
7  taskkill /IM scite.exe /F
8
9  REM 終止虛擬硬碟與目錄的對應
10 subst %Disk%: /D
11 REM 關閉 cmd 指令視窗
12 taskkill /IM cmd.exe /F
13
14 EXIT
```

2

```
1  python get-pip.py
```

3
```
1  pip install flask bs4 lxml pelican markdown flask_cors leo
```

這樣就完成可攜的更新了