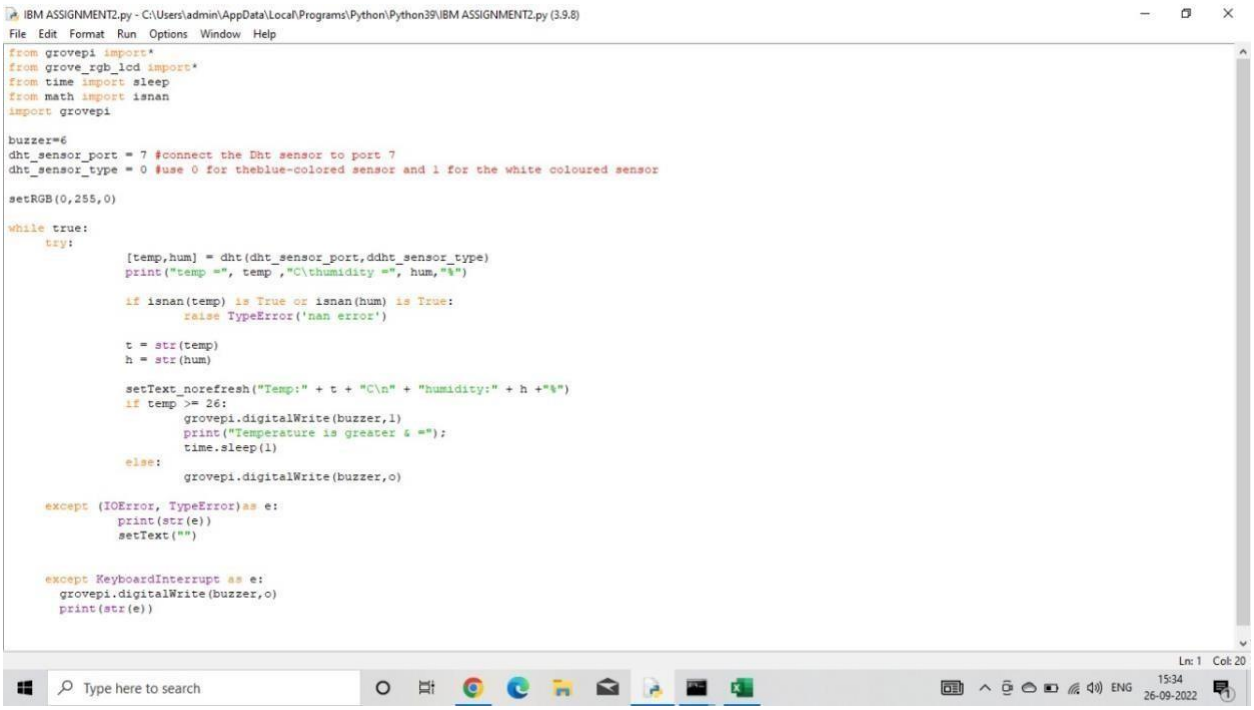
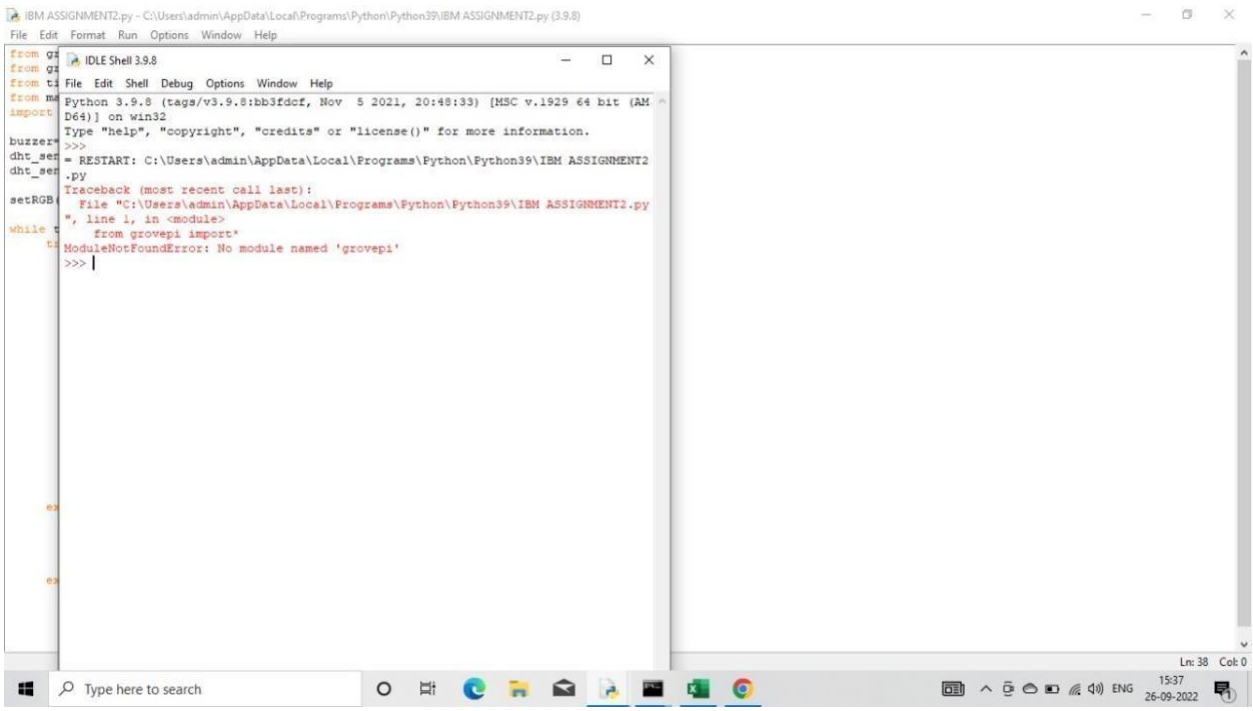
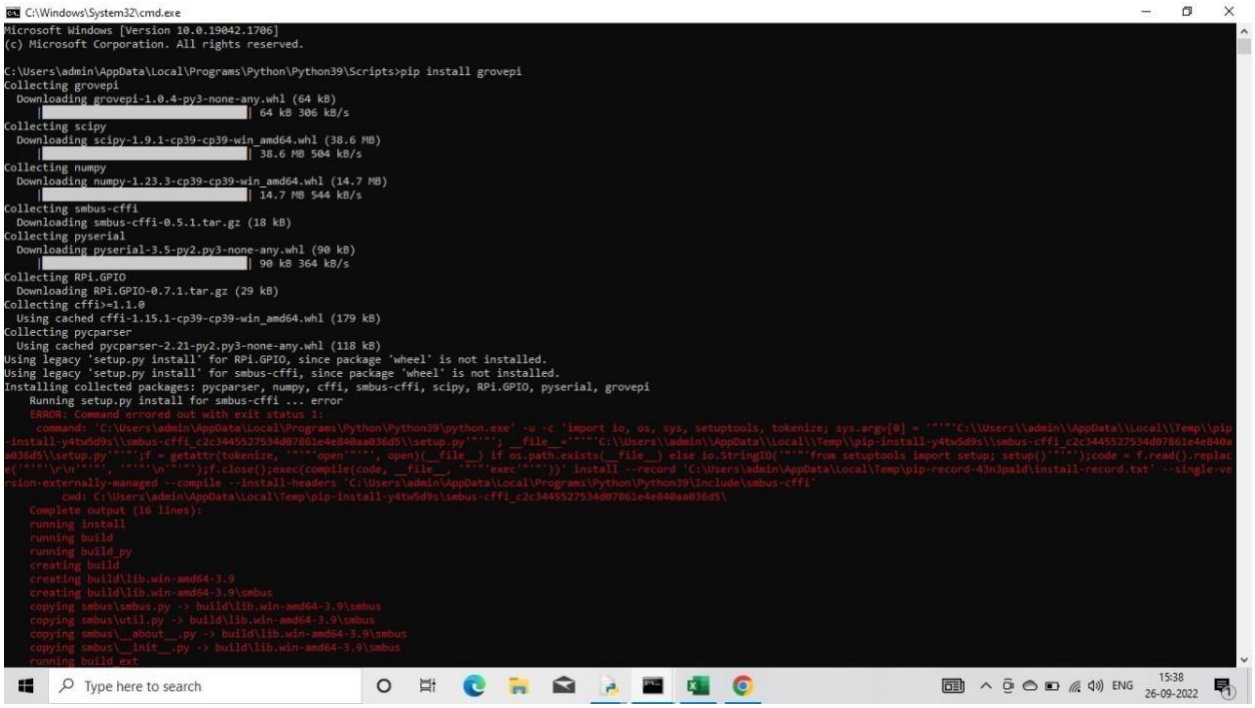
ASSIGNMENT - 2

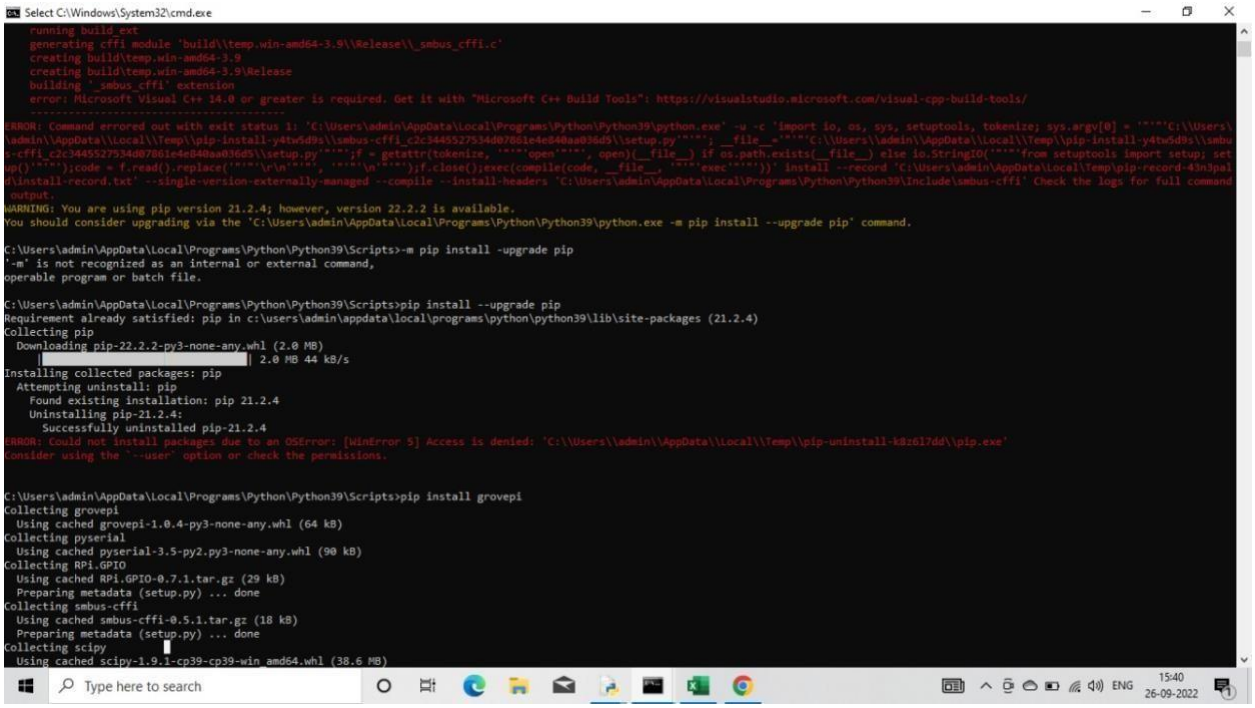
Team ID	**PNT2022TMID27689**
Name	**B.Saroja**
Student Roll Number	**311419104069**
Maximum Marks	**2 Marks**

Build a python code. Assume u get temperature and humidity values(generated with random function to a variable)and write a condition to continuously detect alarm in case of high temperature




IBM ASSIGNMENT2.py - C:\Users\admin\AppData\Local\Programs\Python\Python39\IBM ASSIGNMENT2.py (3.9.8)
File Edit Format Run Options Window Help
IDLE Shell 3.9.8
File Edit Shell Debug Options Window Help
Python 3.9.8 (tags/v3.9.8:bb3fdcf, Nov 5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\admin\AppData\Local\Programs\Python\Python39\IBM ASSIGNMENT2.py
Traceback (most recent call last):
File "C:\Users\admin\AppData\Local\Programs\Python\Python39\IBM ASSIGNMENT2.py", line 1, in <module>
from grovepi import*
ModuleNotFoundError: No module named 'grovepi'
>>>
Ln: 38 Col: 0
Type here to search
ENG
15:37
26-09-2022


C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.1706]
(c) Microsoft Corporation. All rights reserved.
C:\Users\admin\AppData\Local\Programs\Python\Python39\Scripts>pip install grovepi
Collecting grovepi
Downloading grovepi-1.0.4-py3-none-any.whl (64 kB)
64 kB 306 kB/s
Collecting scipy
Downloading scipy-1.9.1-cp39-cp39-win_amd64.whl (38.6 MB)
38.6 MB 504 kB/s
Collecting numpy
Downloading numpy-1.23.3-cp39-cp39-win_amd64.whl (14.7 MB)
14.7 MB 544 kB/s
Collecting smbus-cffi
Downloading smbus-cffi-0.5.1.tar.gz (18 kB)
Collecting pyserial
Downloading pyserial-3.5-py2.py3-none-any.whl (90 kB)
90 kB 364 kB/s
Collecting RPi.GPIO
Downloading RPi.GPIO-0.7.1.tar.gz (29 kB)
Collecting cffi>=1.1.0
Using cached cffi-1.15.1-cp39-cp39-win_amd64.whl (179 kB)
Collecting pycparser
Using cached pycparser-2.21-py2.py3-none-any.whl (118 kB)
Using legacy 'setup.py install' for RPi.GPIO, since package 'wheel' is not installed.
Using legacy 'setup.py install' for smbus-cffi, since package 'wheel' is not installed.
Installing collected packages: pycparser, numpy, cffi, smbus-cffi, scipy, RPi.GPIO, pyserial, grovepi
Running setup.py install for smbus-cffi ... error
ERROR: Command errored out with exit status 1:
command: 'C:\Users\admin\AppData\Local\Programs\Python\Python39\python.exe' -u -c 'import io, os, sys, setuptools, tokenize; sys.argv[0] = '"'"'C:\\Users\\admin\\AppData\\Local\\Temp\\pip-install-y4tw5d9s\\smbus-cffi_c2c3445527534d07861e4e840aa036d5\\setup.py'"'"'; __file__='"'"'C:\\Users\\admin\\AppData\\Local\\Temp\\pip-install-y4tw5d9s\\smbus-cffi_c2c3445527534d07861e4e840aa036d5\\setup.py'"'"';f = getattr(tokenize, '"'"'open'"'"', open)(__file__) if os.path.exists(__file__) else io.StringIO('"'"'from setuptools import setup; setup()'"'"');code = f.read().replace('"'"'\r\n'"'"', '"'"'\n'"'"');f.close();exec(compile(code, __file__, '"'"'exec'"'"'))' install --record 'C:\Users\admin\AppData\Local\Temp\pip-record-43n3pald\install-record.txt' --single-version-externally-managed --compile --install-headers 'C:\Users\admin\AppData\Local\Programs\Python\Python39\Include\smbus-cffi'
cwd: C:\Users\admin\AppData\Local\Temp\pip-install-y4tw5d9s\smbus-cffi_c2c3445527534d07861e4e840aa036d5\
Complete output (16 lines):
running install
running build
running build_py
creating build
creating build\lib.win-amd64-3.9
creating build\lib.win-amd64-3.9\smbus
copying smbus\smbus.py -> build\lib.win-amd64-3.9\smbus
copying smbus\util.py -> build\lib.win-amd64-3.9\smbus
copying smbus__about__.py -> build\lib.win-amd64-3.9\smbus
copying smbus__init__.py -> build\lib.win-amd64-3.9\smbus
running build_ext
Type here to search
ENG
15:38
26-09-2022


Select C:\Windows\System32\cmd.exe
running build_ext
generating cffi module 'build\\temp.win-amd64-3.9\\Release_smbus_cffi.c'
creating build\temp.win-amd64-3.9
creating build\temp.win-amd64-3.9\Release
building '_smbus_cffi' extension
error: Microsoft Visual C++ 14.0 or greater is required. Get it with "Microsoft C++ Build Tools": https://visualstudio.microsoft.com/visual-cpp-build-tools/
ERROR: Command errored out with exit status 1: 'C:\Users\admin\AppData\Local\Programs\Python\Python39\python.exe' -u -c 'import io, os, sys, setuptools, tokenize; sys.argv[0] = '"'"'C:\\Users\\admin\\AppData\\Local\\Temp\\pip-install-y4tw5d9s\\smbus-cffi_c2c3445527534d07861e4e840aa036d5\\setup.py'"'"'; __file__='"'"'C:\\Users\\admin\\AppData\\Local\\Temp\\pip-install-y4tw5d9s\\smbus-cffi_c2c3445527534d07861e4e840aa036d5\\setup.py'"'"';f = getattr(tokenize, '"'"'open'"'"', open)(__file__) if os.path.exists(__file__) else io.StringIO('"'"'from setuptools import setup; setup()'"'"');code = f.read().replace('"'"'\r\n'"'"', '"'"'\n'"'"');f.close();exec(compile(code, __file__, '"'"'exec'"'"'))' install --record 'C:\Users\admin\AppData\Local\Temp\pip-record-43n3pald\install-record.txt' --single-version-externally-managed --compile --install-headers 'C:\Users\admin\AppData\Local\Programs\Python\Python39\Include\smbus-cffi' Check the logs for full command output.
WARNING: You are using pip version 21.2.4; however, version 22.2.2 is available.
You should consider upgrading via the 'C:\Users\admin\AppData\Local\Programs\Python\Python39\python.exe -m pip install --upgrade pip' command.
C:\Users\admin\AppData\Local\Programs\Python\Python39\Scripts>-m pip install -upgrade pip
'-m' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\admin\AppData\Local\Programs\Python\Python39\Scripts>pip install --upgrade pip
Requirement already satisfied: pip in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (21.2.4)
Collecting pip
Downloading pip-22.2.2-py3-none-any.whl (2.0 MB)
2.0 MB 44 kB/s
Installing collected packages: pip
Attempting uninstall: pip
Found existing installation: pip 21.2.4
Uninstalling pip-21.2.4:
Successfully uninstalled pip-21.2.4
ERROR: Could not install packages due to an OSError: [WinError 5] Access is denied: 'C:\\Users\\admin\\AppData\\Local\\Temp\\pip-uninstall-k8z617dd\\pip.exe'
Consider using the `--user` option or check the permissions.
C:\Users\admin\AppData\Local\Programs\Python\Python39\Scripts>pip install grovepi
Collecting grovepi
Using cached grovepi-1.0.4-py3-none-any.whl (64 kB)
Collecting pyserial
Using cached pyserial-3.5-py2.py3-none-any.whl (90 kB)
Collecting RPi.GPIO
Using cached RPi.GPIO-0.7.1.tar.gz (29 kB)
Preparing metadata (setup.py) ... done
Collecting smbus-cffi
Using cached smbus-cffi-0.5.1.tar.gz (18 kB)
Preparing metadata (setup.py) ... done
Collecting scipy
Using cached scipy-1.9.1-cp39-cp39-win_amd64.whl (38.6 MB)
Type here to search
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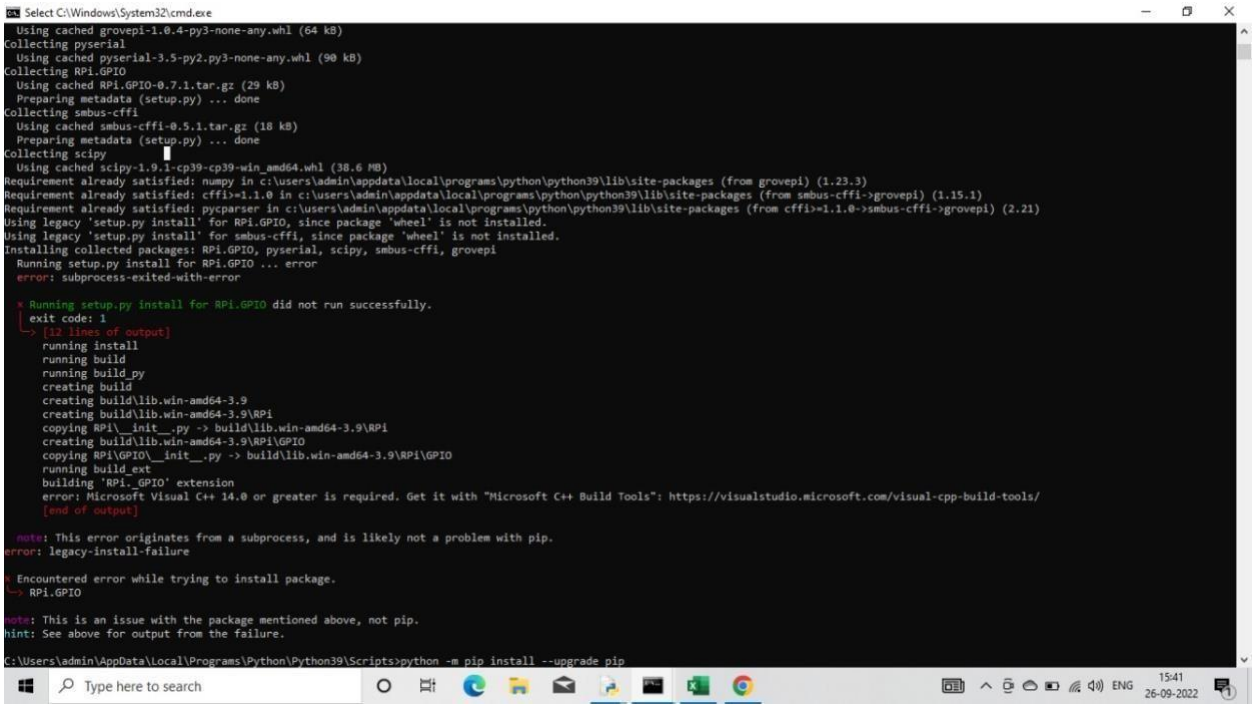
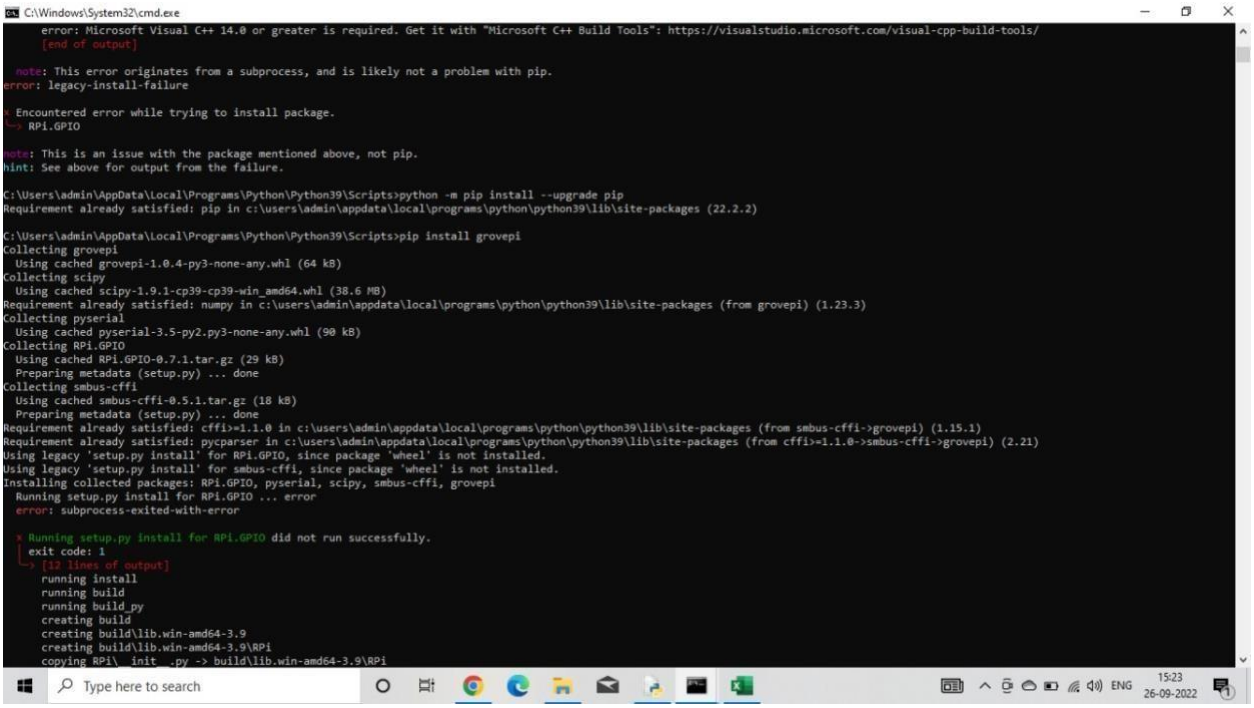
26-09-2022


Select C:\Windows\System32\cmd.exe
Using cached grovepi-1.0.4-py3-none-any.whl (64 kB)
Collecting pyserial
Using cached pyserial-3.5-py2.py3-none-any.whl (90 kB)
Collecting RPi.GPIO
Using cached RPi.GPIO-0.7.1.tar.gz (29 kB)
Preparing metadata (setup.py) ... done
Collecting smbus-cffi
Using cached smbus-cffi-0.5.1.tar.gz (18 kB)
Preparing metadata (setup.py) ... done
Collecting scipy
Using cached scipy-1.9.1-cp39-cp39-win_amd64.whl (38.6 MB)
Requirement already satisfied: numpy in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from grovepi) (1.23.3)
Requirement already satisfied: cffi>=1.1.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from smbus-cffi->grovepi) (1.15.1)
Requirement already satisfied: pycparser in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from cffi>=1.1.0->smbus-cffi->grovepi) (2.21)
Using legacy 'setup.py install' for RPi.GPIO, since package 'wheel' is not installed.
Using legacy 'setup.py install' for smbus-cffi, since package 'wheel' is not installed.
Installing collected packages: RPi.GPIO, pyserial, scipy, smbus-cffi, grovepi
Running setup.py install for RPi.GPIO ... error
error: subprocess-exited-with-error
× Running setup.py install for RPi.GPIO did not run successfully.
exit code: 1
[12 lines of output]
running install
running build
running build_py
creating build
creating build\lib.win-amd64-3.9
creating build\lib.win-amd64-3.9\RPi
copying RPi__init__.py -> build\lib.win-amd64-3.9\RPi
creating build\lib.win-amd64-3.9\RPi\GPIO
copying RPi\GPIO__init__.py -> build\lib.win-amd64-3.9\RPi\GPIO
running build_ext
building 'RPi._GPIO' extension
error: Microsoft Visual C++ 14.0 or greater is required. Get it with "Microsoft C++ Build Tools": https://visualstudio.microsoft.com/visual-cpp-build-tools/
[end of output]
note: This error originates from a subprocess, and is likely not a problem with pip.
error: legacy-install-failure
× Encountered error while trying to install package.
╰─> RPi.GPIO
note: This is an issue with the package mentioned above, not pip.
hint: See above for output from the failure.
C:\Users\admin\AppData\Local\Programs\Python\Python39\Scripts>python -m pip install --upgrade pip
Type here to search
ENG
15:41
26-09-2022


C:\Windows\System32\cmd.exe
error: Microsoft Visual C++ 14.0 or greater is required. Get it with "Microsoft C++ Build Tools": https://visualstudio.microsoft.com/visual-cpp-build-tools/
[end of output]
note: This error originates from a subprocess, and is likely not a problem with pip.
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× Encountered error while trying to install package.
╰─> RPi.GPIO
note: This is an issue with the package mentioned above, not pip.
hint: See above for output from the failure.
C:\Users\admin\AppData\Local\Programs\Python\Python39\Scripts>python -m pip install --upgrade pip
Requirement already satisfied: pip in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (22.2.2)
C:\Users\admin\AppData\Local\Programs\Python\Python39\Scripts>pip install grovepi
Collecting grovepi
Using cached grovepi-1.0.4-py3-none-any.whl (64 kB)
Collecting scipy
Using cached scipy-1.9.1-cp39-cp39-win_amd64.whl (38.6 MB)
Requirement already satisfied: numpy in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from grovepi) (1.23.3)
Collecting pyserial
Using cached pyserial-3.5-py2.py3-none-any.whl (90 kB)
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Preparing metadata (setup.py) ... done
Collecting smbus-cffi
Using cached smbus-cffi-0.5.1.tar.gz (18 kB)
Preparing metadata (setup.py) ... done
Requirement already satisfied: cffi>=1.1.0 in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from smbus-cffi->grovepi) (1.15.1)
Requirement already satisfied: pycparser in c:\users\admin\appdata\local\programs\python\python39\lib\site-packages (from cffi>=1.1.0->smbus-cffi->grovepi) (2.21)
Using legacy 'setup.py install' for RPi.GPIO, since package 'wheel' is not installed.
Using legacy 'setup.py install' for smbus-cffi, since package 'wheel' is not installed.
Installing collected packages: RPi.GPIO, pyserial, scipy, smbus-cffi, grovepi
Running setup.py install for RPi.GPIO ... error
error: subprocess-exited-with-error
× Running setup.py install for RPi.GPIO did not run successfully.
exit code: 1
╰─> [12 lines of output]
running install
running build
running build_py
creating build
creating build\lib.win-amd64-3.9
creating build\lib.win-amd64-3.9\RPi
copying RPi__init__.py -> build\lib.win-amd64-3.9\RPi
Type here to search
ENG
15:23
26-09-2022