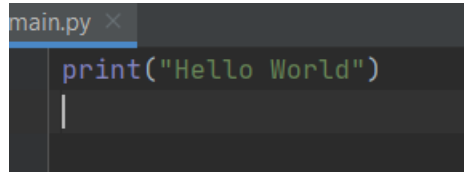


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Secure Coding Lab 4

Write a python script to print hello world:

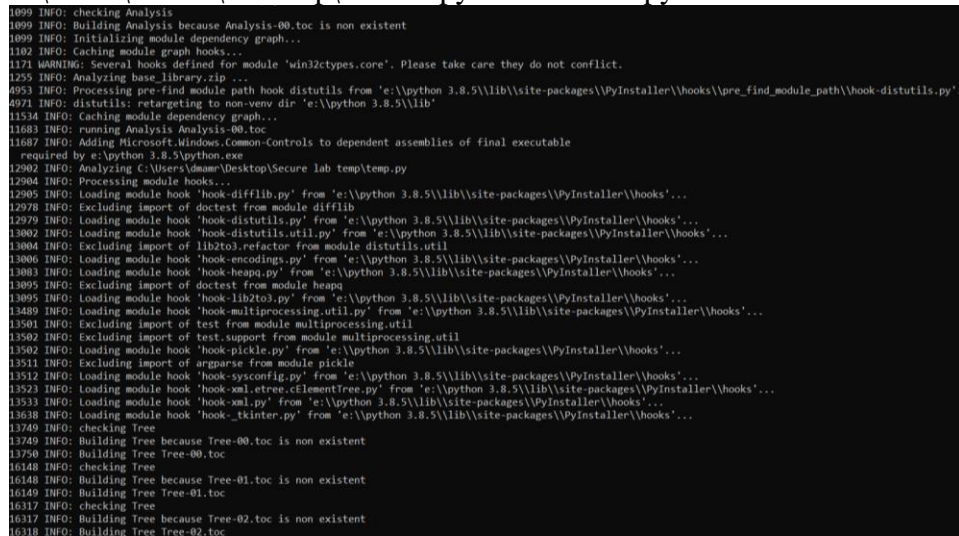


```
main.py ×
print("Hello World")
|
```

Hello World

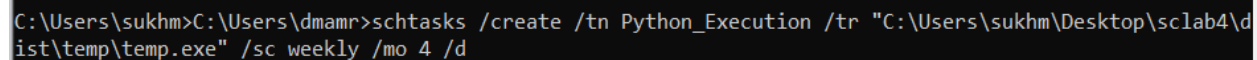
Convert the script into executable (use pyinstaller or py2exe – any of your choice):

C:\Users\sukhm\Desktop\sclab4>pyinstaller scsc.py



```
1099 INFO: checking Analysis
1099 INFO: Building Analysis because Analysis-00.toc is non-existent
1099 INFO: Initializing module dependency graph...
1102 INFO: Caching module dependency graph...
1171 WARNING: Several hooks defined for module 'win32types.core'. Please take care they do not conflict.
1255 INFO: Analyzing base_library.zip ...
4953 INFO: Processing pre-find module path hook distutils from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks\pre_find_module_path\hook-distutils.py'.
4971 INFO: distutils: retargeting to non-venv dir 'e:\python 3.8.5\lib'
11534 INFO: Caching module dependency graph...
11683 INFO: running Analysis Analysis-00.toc
11687 INFO: Adding Microsoft.Windows.Common-Controls to dependent assemblies of final executable
         required by e:\python 3.8.5\python.exe
12902 INFO: Analyzing C:\Users\dmamr\Desktop\Secure lab temp\temp.py
12904 INFO: Processing module hooks...
12905 INFO: Loading module hook 'hook-difflib.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
12978 INFO: Excluding import of doctest from module difflib
12979 INFO: Loading module hook 'hook-distutils.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13002 INFO: Loading module hook 'hook-distutils.util.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13004 INFO: Excluding import of lib2to3.refactor from module distutils.util
13006 INFO: Loading module hook 'hook-encodings.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13083 INFO: Loading module hook 'hook-heapq.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13095 INFO: Excluding import of doctest from module heapq
13095 INFO: Loading module hook 'hook-lib2to3.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13089 INFO: Loading module hook 'hook-multiprocessing.util.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13501 INFO: Excluding import of test from module multiprocessing.util
13502 INFO: Excluding import of test.support from module multiprocessing.util
13502 INFO: Loading module hook 'hook-pickle.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13511 INFO: Excluding import of argparse from module pickle
13512 INFO: Loading module hook 'hook-sysconfig.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13523 INFO: Loading module hook 'hook-xml.etree.cElementTree.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13533 INFO: Loading module hook 'hook-xml.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13638 INFO: Loading module hook 'hook-tkinter.py' from 'e:\python 3.8.5\lib\site-packages\PyInstaller\hooks'...
13749 INFO: checking Tree
13749 INFO: Building Tree because Tree-00.toc is non-existent
13750 INFO: Building Tree Tree-00.toc
16148 INFO: checking Tree
16148 INFO: Building Tree because Tree-01.toc is non-existent
16149 INFO: Building Tree Tree-01.toc
16317 INFO: checking Tree
16317 INFO: Building Tree because Tree-02.toc is non-existent
16318 INFO: Building Tree Tree-02.toc
```

Schedule a task named “Python execution” to run the above executable on the first Monday of every month.



```
C:\Users\sukhm>C:\Users\dmamr>schtasks /create /tn Python_Execution /tr "C:\Users\sukhm\Desktop\sclab4\dist\temp\temp.exe" /sc weekly /mo 4 /d
```

Schedule a task named “Executor” on your machine to run calculator for every five minutes starting from the specified start time with no end.

```
C:\Users\sukhm>schtasks /create /tn executor /tr "calculator.exe" /sc minute /mo 5  
SUCCESS: The scheduled task "executor" has successfully been created.
```

Schedule a task named “Executor2” to run notepad starting at 5:00PM and automatically terminating at 5:40PM hours every day.

```
C:\Users\sukhm>schtasks /create /tn Executer2 /tr "notepad.exe" /sc daily /st 17:00 /et 17:40  
SUCCESS: The scheduled task "Executer2" has successfully been created.
```

Schedule a task to defragment any of your local disk daily at 10AM

```
C:\Users\sukhm>schtasks /create /tn Executor3 /tr "defrag.exe C:" /sc daily /st 10:00  
SUCCESS: The scheduled task "Executor3" has successfully been created.
```

Write a script to perform the following jobs:

To lock your windows PC (Windows+L):

```
import ctypes  
ctypes.windll.user32.LockWorkStation()
```

To clear your Recycle Bin:

```
import winshell  
winshell.recycle_bin().empty(confirm=False, show_progress=False, sound=False)
```