

Secure Coding Lab4

18BCE7338
N.V.Sowmith
Slot: L39+L40

1. Write the python script to print hello world

```
C:\Users\NarraVenkata Sowmith>
C:\Users\NarraVenkata Sowmith>python3
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print("Hello World")
Hello World
>>> exit()

C:\Users\NarraVenkata Sowmith>python Lab4.py
Hello World
```

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

```
PS C:\Users\Hello\AppData\Local\Programs\Python\Python39\Scripts> pyinstaller --onefile Lab4.py
58 INFO: PyInstaller: 4.2
58 INFO: Python: 3.9.2
58 INFO: Platform: Windows-10-10.0.19041-SP0
58 INFO: wrote C:\Users\Hello\AppData\Local\Programs\Python\Python39\Scripts\Lab4.spec
58 INFO: UPX is not available.
85 INFO: Extending PYTHONPATH with paths
['C:\\Users\\Hello\\AppData\\Local\\Programs\\Python\\Python39\\Scripts',
'C:\\Users\\Hello\\AppData\\Local\\Programs\\Python\\Python39\\Scripts']
86 INFO: checking Analysis
86 INFO: Building Analysis because Analysis-00.toc is non existent
86 INFO: Initializing module dependency graph...
86 INFO: Caching module graph hooks...
102 WARNING: Several hooks defined for module 'win32ctypes.core'. Please take care they do not conflict.
102 INFO: Analyzing base_library.zip ...
2107 INFO: Processing pre-find module path hook distutils from 'c:\\users\\hello\\appdata\\local\\programs\\python\\pyth
on39\\lib\\site-packages\\PyInstaller\\hooks\\pre_find_module_path\\hook-distutils.py'.
2107 INFO: distutils: retargeting to non-venv dir 'c:\\users\\hello\\appdata\\local\\programs\\python\\python39\\lib'
4079 INFO: Caching module dependency graph...
4160 INFO: running Analysis Analysis-00.toc
4175 INFO: Adding Microsoft.Windows.Common-Controls to dependent assemblies of final executable
required by c:\users\hello\appdata\local\programs\python\python39\python.exe
4198 WARNING: lib not found: api-ms-win-core-path-l1-1-0.dll dependency of c:\users\hello\appdata\local\programs\python\
python39\python39.dll
4229 INFO: Analyzing C:\Users\Hello\AppData\Local\Programs\Python\Python39\Scripts\Lab4.py
4244 INFO: Processing module hooks...
4244 INFO: Loading module hook 'hook-difflib.py' from 'c:\\users\\hello\\appdata\\local\\programs\\python\\python39\\lib
\\site-packages\\PyInstaller\\hooks'...
4244 INFO: Excluding import of doctest from module difflib
4244 INFO: Loading module hook 'hook-distutils.py' from 'c:\\users\\hello\\appdata\\local\\programs\\python\\python39\\l
ib\\site-packages\\PyInstaller\\hooks'...
4244 INFO: Loading module hook 'hook-distutils.util.py' from 'c:\\users\\hello\\appdata\\local\\programs\\python\\python
39\\lib\\site-packages\\PyInstaller\\hooks'...
4244 INFO: Excluding import of lib2to3.refactor from module distutils.util
4244 INFO: Loading module hook 'hook-encodings.py' from 'c:\\users\\hello\\appdata\\local\\programs\\python\\python39\\l
ib\\site-packages\\PyInstaller\\hooks'...
4329 INFO: Loading module hook 'hook-heapq.py' from 'c:\\users\\hello\\appdata\\local\\programs\\python\\python39\\lib\\
site-packages\\PyInstaller\\hooks'...
4329 INFO: Excluding import of doctest from module heapq
```

Search Results in OS (C:) > Python39 > Scripts > dist				
	Name	Date modified	Type	Size
is	Lab4.exe	04-03-2021 08:02 PM	Application	6,698 KB
is				

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

```
C:\Users\NarraVenkata Sowmith>schtasks /create /tn "Python execution" /tr
C:\Users\NarraVenkata Sowmith\AppData\Local\Programs\Python\Python39\Scripts\dist\Lab4.exe /sc
monthly /mo FIRST /d MON
SUCCESS: The scheduled task "Python execution" has successfully been created.
```

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

```
C:\Users\NarraVenkata Sowmith>
C:\Users\NarraVenkata Sowmith>SCHTASKS /CREATE /tn Executer /tr c:\apps\Calculator.exe /sc minute /mo 5 /st 23:00
WARNING: The task name "Executer" already exists. Do you want to replace it (Y/N)? Y
SUCCESS: The scheduled task "Executer" has successfully been created.

C:\Users\NarraVenkata Sowmith>
```

5)Schedule a task named “Executer2” to run notepad starting at 5:00PM and automatically terminating at 5:40PM hours every day

```
C:\Users\NarraVenkata Sowmith>
C:\Users\NarraVenkata Sowmith>SCHTASKS /CREATE /tn Executer2 /tr c:\apps\Notepad.exe /sc daily /st 17:00 /et 17:40
SUCCESS: The scheduled task "Executer2" has successfully been created.

C:\Users\NarraVenkata Sowmith>
```

```
C:\Users\NarraVenkata Sowmith>SCHTASKS /Query
```

```
Folder: \
```

TaskName	Next Run Time	Status
18BCE7338_Task1	05-03-2021 10:00:00	Ready
18BCE7338_Task2	05-03-2021 10:00:00	Ready
18BCE7338_Task3	05-03-2021 12:00:00	Ready
18BCE7338_Task4	06-03-2021 10:00:00	Ready
18BCE7338_Task5	06-03-2021 18:00:00	Ready
Dell SupportAssistAgent AutoUpdate	11-03-2021 10:28:34	Ready
Executer	04-03-2021 23:00:00	Ready
Executer2	N/A	Ready