

SECURE CODING LAB-4

SLOT-L39+L40

18BCN7128

SEGU NAIMISHA

Question: write a python script to print hello world.

Code: print("hello world")

Question: convert the script into executable.

```
(base) C:\Users\Naimisha Segu\Desktop>pip install pyinstaller
Requirement already satisfied: pyinstaller in c:\users\naimisha segu\anaconda3\lib\site-packages (4.2)
Requirement already satisfied: importlib-metadata; python_version < "3.8" in c:\users\naimisha segu\anaconda3\lib\site-packages (from pyinstaller) (0.6)
Requirement already satisfied: setuptools in c:\users\naimisha segu\anaconda3\lib\site-packages (from pyinstaller) (40.6.3)
Requirement already satisfied: pyinstaller-hooks-contrib>=2020.6 in c:\users\naimisha segu\anaconda3\lib\site-packages (from pyinstaller) (2020.11)
Requirement already satisfied: altgraph in c:\users\naimisha segu\anaconda3\lib\site-packages (from pyinstaller) (0.16.1)
Requirement already satisfied: pywin32-ctypes>=0.2.0; sys_platform == "win32" in c:\users\naimisha segu\anaconda3\lib\site-packages (from pyinstaller) (0.2.0)
Requirement already satisfied: pefile>=2017.8.1; sys_platform == "win32" in c:\users\naimisha segu\anaconda3\lib\site-packages (from pyinstaller) (2019.4.18)
Requirement already satisfied: future in c:\users\naimisha segu\anaconda3\lib\site-packages (from pefile>=2017.8.1; sys_platform == "win32"->pyinstaller) (0.17.1)
```

```
(base) C:\Users\Naimisha Segu\Desktop>pyinstaller C:\Users\Naimisha Segu\Desktop\helloworld.py
376 INFO: PyInstaller: 4.2
376 INFO: Python: 3.9.1
378 INFO: Platform: Windows-10-10.0.18362-SP0
381 INFO: wrote C:\Users\chait\Hello_World.spec
390 INFO: UPX is not available.
416 INFO: Extending PYTHONPATH with paths
['C:\\Users\\chait\\OneDrive\\Desktop', 'C:\\Users\\chait']
449 INFO: checking Analysis
449 INFO: Building Analysis because Analysis-00.toc is non existent
450 INFO: Initializing module dependency graph...
456 INFO: Caching module graph hooks...
469 WARNING: Several hooks defined for module 'win32ctypes.core'. Please report this.
506 INFO: Analyzing base_library.zip ...
9020 INFO: Processing pre-find module path hook distutils from 'c:\python\python\lib\distutils'
9022 INFO: distutils: retargeting to non-venv dir 'c:\python\lib'
21154 INFO: Caching module dependency graph...
21360 INFO: running Analysis Analysis-00.toc
21397 INFO: Adding Microsoft.Windows.Common-Controls to dependent assemblies
required by c:\python\python.exe
21527 WARNING: lib not found: api-ms-win-core-path-l1-1-0.dll dependency
21576 INFO: Analyzing C:\Users\chait\OneDrive\Desktop\Hello_World.py
```

Question: Schedule a task named “python execution “ to run the above executable on the first Monday of every month.

```
(base) C:\Users\Naimisha Segu\Desktop>schtasks /create /sc montly /mo first /d m
on /tn "python execution" /tr C:\Users\Naimisha Segu\Desktop\helloworld.py.exe
```

Question: Schedule a task named “ Executer” on your machine to run calculator for every five mis from the specified start with no end.

```
(base) C:\Users\Naimisha Segu\Desktop>schtasks /create /sc minute /mo 5 /tn "Exe
cuter" /tr calc.exe /st 12:00
SUCCESS: The scheduled task "Executer" has successfully been created.
```

Question: Schedule a task named “executer2” to run notepad starting at 5:00pm and automatically terminating at 5:40pm hours every day.

```
(base) C:\Users\Naimesha Segu\Desktop>schtasks /create /sc daily /tn "Excecuter2" /tr notepad.exe /st 17:00 /et 17:40 /k  
SUCCESS: The scheduled task "Excecuter2" has successfully been created.
```

Question: Schedule a task to defragment any of your local disk daily at 10am.

```
(base) C:\Users\Naimesha Segu\Desktop>schtasks /create /tn "Excecuter3" /tr "defrag.exe C:" /sc daily /st 10:00  
SUCCESS: The scheduled task "Excecuter3" has successfully been created.
```

Question: script to lock your windows pc.

Code:

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

Question: To clear recycle bin.

Code:

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

Attrib cmd:

```
C:\Users\Naimesha Segu>attrib  
A          C:\Users\Naimesha Segu\.condarc  
A          C:\Users\Naimesha Segu\labelImgSettings.pkl  
A          C:\Users\Naimesha Segu\packettracer  
A          C:\Users\Naimesha Segu\188CN7128.txt  
A          C:\Users\Naimesha Segu\188CN7128m.txt  
A          C:\Users\Naimesha Segu\blog.html  
A          C:\Users\Naimesha Segu\dir.txt  
A          C:\Users\Naimesha Segu\headbrain.csv.txt  
A          C:\Users\Naimesha Segu\helloworld.ipynb  
A          C:\Users\Naimesha Segu\helloworld.py  
A          C:\Users\Naimesha Segu\InstallDocker.exe  
A          C:\Users\Naimesha Segu\ipython.html  
A          C:\Users\Naimesha Segu\Iris_Data.csv  
A          C:\Users\Naimesha Segu\log.txt  
A          C:\Users\Naimesha Segu\matlab16.txt  
A          C:\Users\Naimesha Segu\nai.txtnnai  
A H I      C:\Users\Naimesha Segu\NTUSER.DAT  
A SH      C:\Users\Naimesha Segu\ntuser.dat.LOG1  
A SH      C:\Users\Naimesha Segu\ntuser.dat.LOG2  
A SH      C:\Users\Naimesha Segu\NTUSER.DAT{75041159-766b-11ea-983e-98b0eeefb708}.TxR.0.regtrans-ms  
A SH      C:\Users\Naimesha Segu\NTUSER.DAT{75041159-766b-11ea-983e-98b0eeefb708}.TxR.1.regtrans-ms  
A SH      C:\Users\Naimesha Segu\NTUSER.DAT{75041159-766b-11ea-983e-98b0eeefb708}.TxR.2.regtrans-ms  
A SH      C:\Users\Naimesha Segu\NTUSER.DAT{75041159-766b-11ea-983e-98b0eeefb708}.TxR.blf  
A SH      C:\Users\Naimesha Segu\NTUSER.DAT{7504115a-766b-11ea-983e-98b0eeefb708}.TM.blf
```

Powercfg cmd:

```
C:\Users\Naimesha Segu>powercfg /energy
```