

# Secure Coding

## Lab Assignment-4

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1.

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Command Prompt
Microsoft Windows [Version 10.0.18363.1379]
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C:\Users\HP>cd desktop

C:\Users\HP\Desktop>cd py4e

C:\Users\HP\Desktop\py4e>helloworld.py
Hello, world

C:\Users\HP\Desktop\py4e>pip install pyinstaller
Collecting pyinstaller
  Downloading pyinstaller-4.2.tar.gz (3.6 MB)
    |#####| 3.6 MB 16 kB/s
  Installing build dependencies ... done
  Getting requirements to build wheel ... done
  Preparing wheel metadata ... done
Collecting pefile>=2017.8.1; sys_platform == "win32"
  Downloading pefile-2019.4.18.tar.gz (62 kB)
    |#####| 62 kB 24 kB/s
Collecting altgraph
  Downloading altgraph-0.17-py2.py3-none-any.whl (21 kB)
Collecting pyinstaller-hooks-contrib>=2020.6
  Downloading pyinstaller_hooks_contrib-2020.11-py2.py3-none-any.whl (172 kB)
    |#####| 172 kB 819 kB/s
Requirement already satisfied: setuptools in c:\users\hp\appdata\local\programs\python\python36\lib\site-packages (from pyinstaller) (40.6.2)
Collecting importlib-metadata; python_version < "3.8"
  Downloading importlib_metadata-3.7.0-py3-none-any.whl (11 kB)
Collecting pywin32-ctypes>=0.2.0; sys_platform == "win32"
  Downloading pywin32_ctypes-0.2.0-py2.py3-none-any.whl (28 kB)
Collecting future
  Downloading future-0.18.2.tar.gz (829 kB)
    |#####| 829 kB 652 kB/s
Collecting typing-extensions>=3.6.4; python_version < "3.8"
  Downloading typing_extensions-3.7.4.3-py3-none-any.whl (22 kB)
Collecting zipp>=0.5
  Downloading zipp-3.4.0-py3-none-any.whl (5.2 kB)
Using legacy 'setup.py install' for pefile, since package 'wheel' is not installed.
Using legacy 'setup.py install' for future, since package 'wheel' is not installed.
Building wheels for collected packages: pyinstaller
  Building wheel for pyinstaller (PEP 517) ... done
  Created wheel for pyinstaller: filename=pyinstaller-4.2-py3-none-any.whl size=2413076 sha256=ad1f07f8676a8a953663ec7722fa8ebdb1d7b2df2f0e28d01455d6aa014f4c
  Stored in directory: c:\users\hp\appdata\local\pip\cache\wheels\b1\17\ed\959da2734eb4be7742242a2042ed6c77a6ba812f45623b6c56
Successfully built pyinstaller
Installing collected packages: future, pefile, altgraph, pyinstaller-hooks-contrib, typing-extensions, zipp, importlib-metadata, pywin32-ctypes, pyinstaller
  Running setup.py install for future ... done
  Running setup.py install for pefile ... done
Successfully installed altgraph-0.17 future-0.18.2 importlib-metadata-3.7.0 pefile-2019.4.18 pyinstaller-4.2 pyinstaller-hooks-contrib-2020.11 pywin32-ctypes-0.2.0 typing-extensions-3.7.4.3 zipp-3.4.0
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WARNING: You are using pip version 20.2.4; however, version 21.0.1 is available.
You should consider upgrading via the 'c:\users\hp\appdata\local\programs\python\python36\python.exe -m pip install --upgrade pip' command.

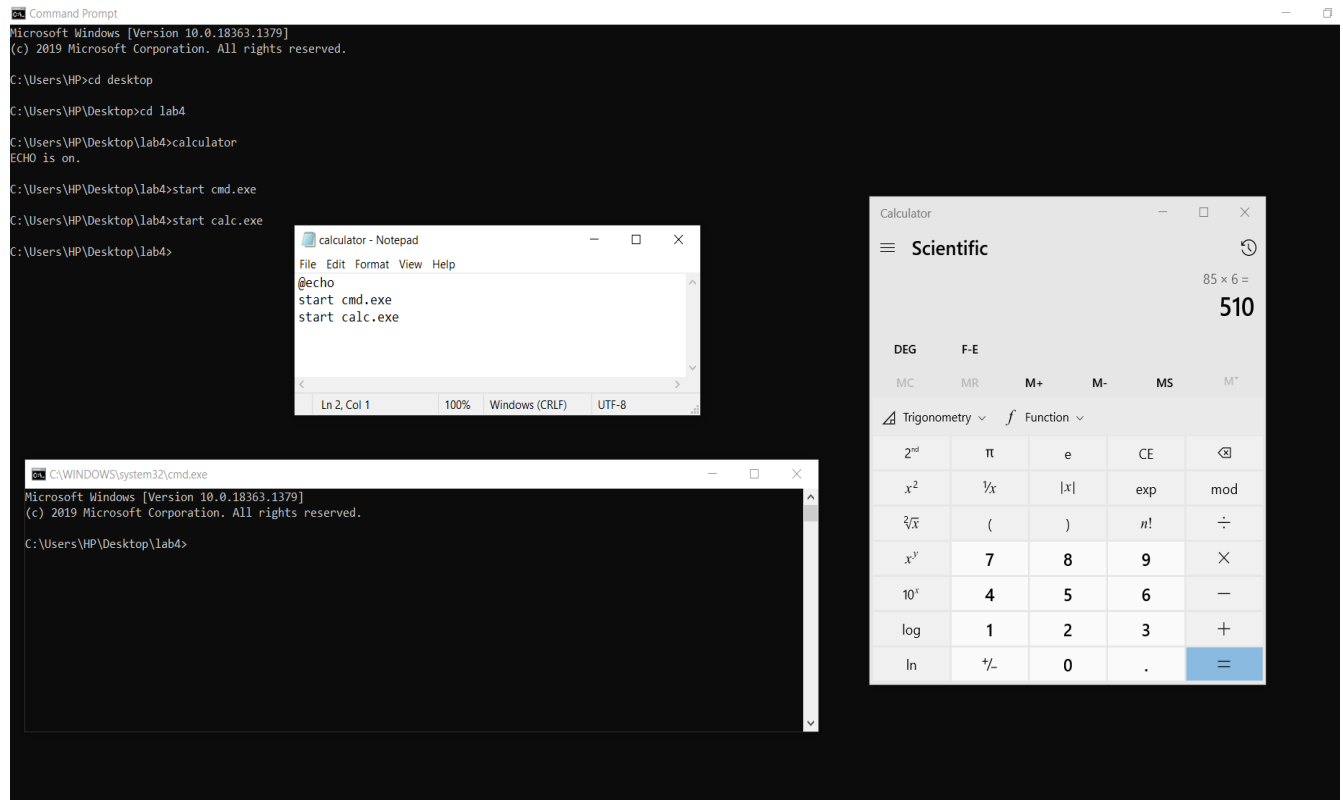
C:\Users\HP\Desktop\py4e>pyinstaller helloworld.py
1218 INFO: PyInstaller: 4.2
1218 INFO: Python: 3.6.8
1234 INFO: Platform: Windows-10-10.0.18362-SP0
1234 INFO: wrote C:\Users\HP\Desktop\py4e\helloworld.spec
1234 INFO: UPX is not available.
1234 INFO: Extending PYTHONPATH with paths
['C:\\Users\\HP\\Desktop\\py4e', 'C:\\Users\\HP\\Desktop\\py4e']
1249 INFO: checking Analysis
1249 INFO: Building Analysis because Analysis-00.toc is non existent
1249 INFO: Initializing module dependency graph...
1249 INFO: Caching module graph hooks...
1265 WARNING: Several hooks defined for module 'win32ctypes.core'. Please take care they do not conflict.
1265 INFO: Analyzing base_library.zip ...
8513 INFO: Caching module dependency graph...
8591 INFO: running Analysis Analysis-00.toc
8607 INFO: Adding Microsoft.Windows.Common-Controls to dependent assemblies of final executable
required by c:\users\hp\appdata\local\programs\python\python36\python.exe
11497 INFO: Analyzing C:\Users\HP\Desktop\py4e\helloworld.py
11497 INFO: Processing module hooks...
11497 INFO: Loading module hook 'hook-difflib.py' from 'c:\\users\\hp\\appdata\\local\\programs\\python\\python36\\lib\\site-packages\\PyInstaller\\hooks'...
11497 INFO: Excluding import of doctest from module difflib
11497 INFO: Loading module hook 'hook-encodings.py' from 'c:\\users\\hp\\appdata\\local\\programs\\python\\python36\\lib\\site-packages\\PyInstaller\\hooks'...
11591 INFO: Loading module hook 'hook-heapq.py' from 'c:\\users\\hp\\appdata\\local\\programs\\python\\python36\\lib\\site-packages\\PyInstaller\\hooks'...
11591 INFO: Excluding import of doctest from module heapq
11591 INFO: Loading module hook 'hook-pickle.py' from 'c:\\users\\hp\\appdata\\local\\programs\\python\\python36\\lib\\site-packages\\PyInstaller\\hooks'...
11606 INFO: Excluding import of argparse from module pickle
11606 INFO: Loading module hook 'hook-xml.py' from 'c:\\users\\hp\\appdata\\local\\programs\\python\\python36\\lib\\site-packages\\PyInstaller\\hooks'...
12450 INFO: Looking for ctypes DLLs
12450 INFO: Analyzing run-time hooks ...
12450 INFO: Looking for dynamic libraries
12872 INFO: Looking for eggs
12872 INFO: Using Python library c:\users\hp\appdata\local\programs\python\python36\python36.dll
12872 INFO: Found binding redirects:
[]
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12887 INFO: Warnings written to C:\Users\HP\Desktop\py4e\build\helloworld\warn-helloworld.txt
12918 INFO: Graph cross-reference written to C:\Users\HP\Desktop\py4e\build\helloworld\xref-helloworld.html
12950 INFO: checking PVZ
12950 INFO: Building PVZ because PVZ-00.toc is non existent
12950 INFO: Building PVZ (ZlibArchive) C:\Users\HP\Desktop\py4e\build\helloworld\PVZ-00.pyz
13325 INFO: Building PVZ (ZlibArchive) C:\Users\HP\Desktop\py4e\build\helloworld\PVZ-00.pyz completed successfully.
13325 INFO: checking PKG
13340 INFO: Building PKG because PKG-00.toc is non existent
13340 INFO: Building PKG (CArchive) PKG-00.pkg
13372 INFO: Building PKG (CArchive) PKG-00.pkg completed successfully.
13387 INFO: Bootloader c:\users\hp\appdata\local\programs\python\python36\lib\site-packages\PyInstaller\bootloader\Windows-64bit\run.exe
13387 INFO: checking EXE
13387 INFO: Building EXE because EXE-00.toc is non existent
13387 INFO: Building EXE from EXE-00.toc
13403 INFO: Copying icons from ['c:\\users\\hp\\appdata\\local\\programs\\python\\python36\\lib\\site-packages\\PyInstaller\\bootloader\\images\\icon-console.ico']
13418 INFO: Writing RT_GROUP_ICON 0 resource with 104 bytes
13418 INFO: Writing RT_ICON 1 resource with 3752 bytes
13434 INFO: Writing RT_ICON 2 resource with 2216 bytes
13434 INFO: Writing RT_ICON 3 resource with 1384 bytes
13450 INFO: Writing RT_ICON 4 resource with 37019 bytes
13450 INFO: Writing RT_ICON 5 resource with 9640 bytes
13450 INFO: Writing RT_ICON 6 resource with 4264 bytes
13450 INFO: Writing RT_ICON 7 resource with 1128 bytes
13465 INFO: Appending archive to EXE C:\Users\HP\Desktop\py4e\build\helloworld\helloworld.exe
14106 INFO: Building EXE from EXE-00.toc completed successfully.
14121 INFO: checking COLLECT
14121 INFO: Building COLLECT because COLLECT-00.toc is non existent
14121 INFO: Building COLLECT COLLECT-00.toc
15512 INFO: Building COLLECT COLLECT-00.toc completed successfully.
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```
C:\Users\HP\Desktop\py4e>SCHTASKS /CREATE /SC MONTHLY /TN "19BCE7202_TASK01" /TR "C:\Users\HP\Desktop\py4e\dist\helloworld.exe.manifest"
SUCCESS: The scheduled task "19BCE7202_TASK01" has successfully been created.
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C:\Users\HP\Desktop\py4e>
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## 2.



```
C:\Users\HP\Desktop>cd py4e

C:\Users\HP\Desktop\py4e>SCHTASKS /CREATE /SC MINUTE /MO 5 /TN "EXECUTER" /TR "C:\Users\HP\Desktop\lab4/calculator.bat"
SUCCESS: The scheduled task "EXECUTER" has successfully been created.
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C:\Users\HP\Desktop\py4e>SCHTASKS /CREATE /SC DAILY /MO 5 /TN "EXECUTER2" /TR "C:\Users\HP\Desktop\lab4/notepad"
SUCCESS: The scheduled task "EXECUTER2" has successfully been created.
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