Secure Coding
Lab Assignment-4

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1.

```
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:
[]
```
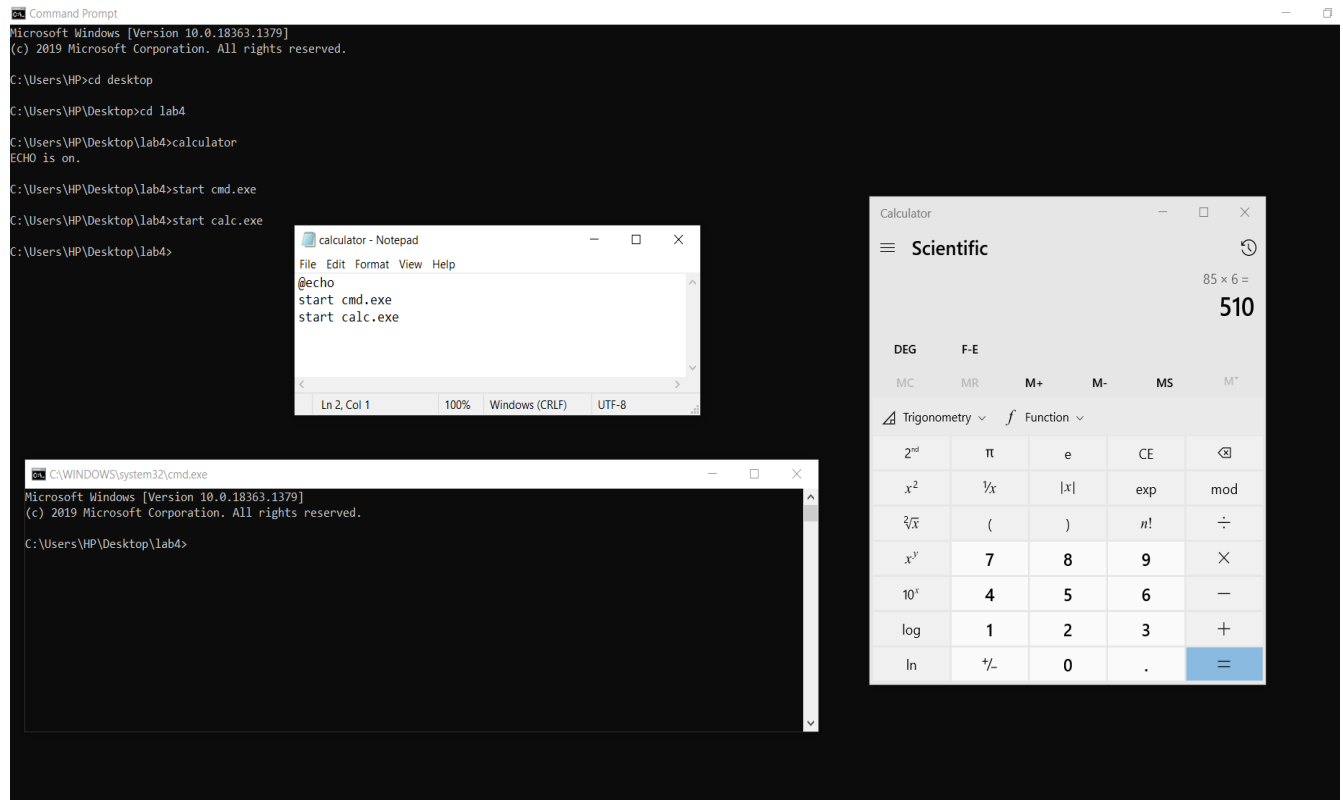
```
12887 INFO: Warnings written to C:\Users\HP\Desktop\py4e\build\helloworld\warn-helloworld.txt
12918 INFO: Graph cross-reference written to C:\Users\HP\Desktop\py4e\build\helloworld\xref-helloworld.html
12950 INFO: checking PYZ
12950 INFO: Building PYZ because PYZ-00.toc is non existent
12950 INFO: Building PYZ (ZlibArchive) C:\Users\HP\Desktop\py4e\build\helloworld\PYZ-00.pyz
13325 INFO: Building PYZ (ZlibArchive) C:\Users\HP\Desktop\py4e\build\helloworld\PYZ-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.
```

```
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.

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

2.


```
Command Prompt

Microsoft Windows [Version 10.0.18363.1379]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\HP>cd desktop

C:\Users\HP\Desktop>cd lab4

C:\Users\HP\Desktop\lab4>calculator
ECHO is on.

C:\Users\HP\Desktop\lab4>start cmd.exe

C:\Users\HP\Desktop\lab4>start calc.exe

C:\Users\HP\Desktop\lab4>
```

```
calculator - Notepad
File  Edit  Format  View  Help
@echo
start cmd.exe
start calc.exe

Ln 2, Col 1        100%    Windows (CRLF)    UTF-8
```

```
C:\WINDOWS\system32\cmd.exe

Microsoft Windows [Version 10.0.18363.1379]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\HP\Desktop\lab4>
```

Calculator — Scientific

85 × 6 =
510

```
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.
```

```
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.
```