

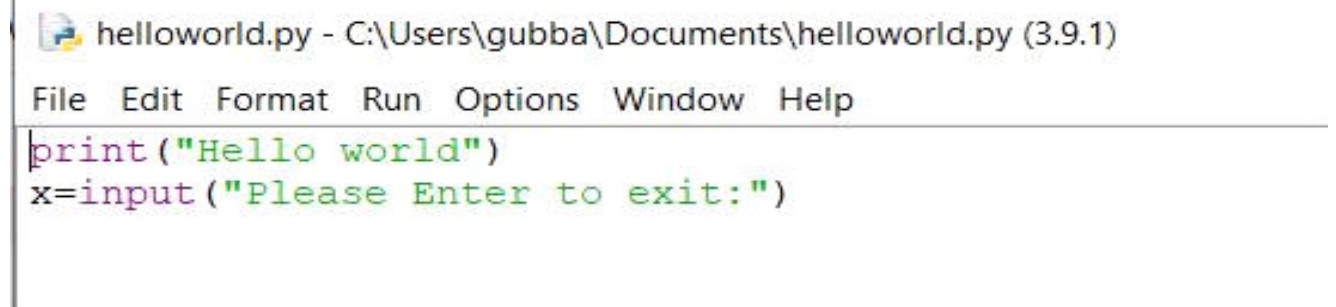
Lab 4

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Write a python script to print hello world:

```
print("Hello world")
```

```
x=input("Press Enter to exit:")
```



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

Command Prompt

Microsoft Windows [Version 10.0.19042.844]

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C:\Users\gubba>cd Desktop

C:\Users\gubba\Desktop>pyinstaller helloworld.py

207 INFO: PyInstaller: 4.2

207 INFO: Python: 3.9.1

208 INFO: Platform: Windows-10-10.0.19041-SP0

209 INFO: wrote C:\Users\gubba\Desktop\helloworld.spec

213 INFO: UPX is not available.

223 INFO: Extending PYTHONPATH with paths

['C:\\Users\\gubba\\Desktop', 'C:\\Users\\gubba\\Desktop']

347 INFO: checking Analysis

348 INFO: Building Analysis because Analysis-00.toc is non existent

348 INFO: Initializing module dependency graph...

353 INFO: Caching module graph hooks...

371 WARNING: Several hooks defined for module 'win32ctypes.core'. Please take care they do not conflict.

384 INFO: Analyzing base_library.zip ...

5192 INFO: Processing pre-find module path hook distutils from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks\\pre_find_module_path\\hook-distutils.py'

5195 INFO: distutils: retargeting to non-venv dir 'c:\\program files\\python39\\lib'

10444 INFO: Caching module dependency graph...

10587 INFO: running Analysis Analysis-00.toc

10592 INFO: Adding Microsoft.Windows.Common-Controls to dependent assemblies of final executable

required by c:\\program files\\python39\\python.exe

10693 WARNING: lib not found: api-ms-win-core-path-l1-1-0.dll dependency of c:\\program files\\python39\\python39.dll

10699 INFO: Analyzing C:\Users\gubba\Desktop\helloworld.py

10701 INFO: Processing module hooks...

10701 INFO: Loading module hook 'hook-difflib.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

10705 INFO: Excluding import of doctest from module difflib

10706 INFO: Loading module hook 'hook-distutils.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

10710 INFO: Loading module hook 'hook-distutils.util.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

10712 INFO: Excluding import of lib2to3.refactor from module distutils.util

10712 INFO: Loading module hook 'hook-encodings.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

10825 INFO: Loading module hook 'hook-heapq.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

10829 INFO: Excluding import of doctest from module heapq

10830 INFO: Loading module hook 'hook-lib2to3.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

11080 INFO: Loading module hook 'hook-multiprocessing.util.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

11085 INFO: Excluding import of test.support from module multiprocessing.util

11085 INFO: Excluding import of test from module multiprocessing.util

11086 INFO: Loading module hook 'hook-pickle.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

11090 INFO: Excluding import of argparse from module pickle

11090 INFO: Loading module hook 'hook-sysconfig.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

11095 INFO: Loading module hook 'hook-xml.etree.cElementTree.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

11097 INFO: Loading module hook 'hook-xml.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

11221 INFO: Loading module hook 'hook_tkinter.py' from 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks'...

11399 INFO: checking Tree

11400 INFO: Building Tree because Tree-00.toc is non existent

11401 INFO: Building Tree Tree-00.toc

11566 INFO: checking Tree

11566 INFO: Building Tree because Tree-01.toc is non existent

11567 INFO: Building Tree Tree-01.toc

11674 INFO: checking Tree

11674 INFO: Building Tree because Tree-02.toc is non existent

11675 INFO: Building Tree Tree-02.toc

11698 INFO: Looking for ctypes DLLs

11736 INFO: Analyzing run-time hooks ...

11740 INFO: Including run-time hook 'c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\hooks\\rthooks\\pyi_rth_multiprocessing.py'

11760 INFO: Looking for dynamic libraries

12100 INFO: Looking for eggs

12101 INFO: Using Python library c:\\program files\\python39\\python39.dll

12102 INFO: Found binding redirects:

[]

12107 INFO: Warnings written to C:\Users\gubba\Desktop\build\helloworld\warn-helloworld.txt

12164 INFO: Graph cross-reference written to C:\Users\gubba\Desktop\build\helloworld\xref-helloworld.html

12220 INFO: checking PYZ

12220 INFO: Building PYZ because PYZ-00.toc is non existent

12221 INFO: Building PYZ (ZlibArchive) C:\Users\gubba\Desktop\build\helloworld\PYZ-00.pyz

12923 INFO: Building PYZ (ZlibArchive) C:\Users\gubba\Desktop\build\helloworld\PYZ-00.pyz completed successfully.

12944 INFO: checking PKG

12944 INFO: Building PKG because PKG-00.toc is non existent

12945 INFO: Building PKG (CArchive) PKG-00.pkg

12979 INFO: Building PKG (CArchive) PKG-00.pkg completed successfully.

12981 INFO: Bootloader c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\bootloader\\Windows-64bit\\run.exe

12981 INFO: checking EXE

12983 INFO: Building EXE because EXE-00.toc is non existent

12983 INFO: Building EXE from EXE-00.toc

13427 INFO: Copying icons from ['c:\\program files\\python39\\lib\\site-packages\\PyInstaller\\bootloader\\images\\icon-console.ico']

13532 INFO: Writing RT_GROUP_ICON 0 resource with 104 bytes

13533 INFO: Writing RT_ICON 1 resource with 3752 bytes

13534 INFO: Writing RT_ICON 2 resource with 2216 bytes

13536 INFO: Writing RT_ICON 3 resource with 1384 bytes

13536 INFO: Writing RT_ICON 4 resource with 37019 bytes

13537 INFO: Writing RT_ICON 5 resource with 9640 bytes

13538 INFO: Writing RT_ICON 6 resource with 4264 bytes

13539 INFO: Writing RT_ICON 7 resource with 1128 bytes

13554 INFO: Appending archive to EXE C:\Users\gubba\Desktop\build\helloworld\helloworld.exe

14434 INFO: Building EXE from EXE-00.toc completed successfully.

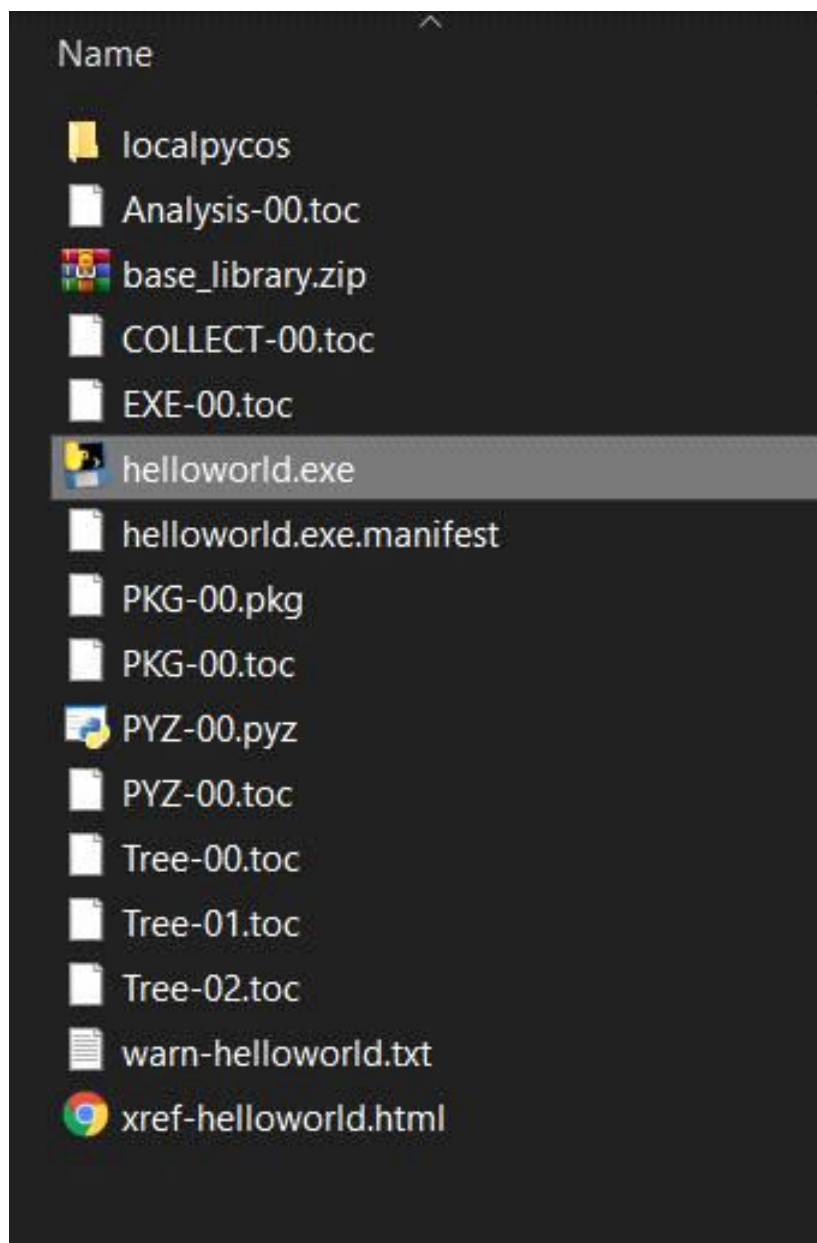
14438 INFO: checking COLLECT

14439 INFO: Building COLLECT because COLLECT-00.toc is non existent

14440 INFO: Building COLLECT COLLECT-00.toc

15576 INFO: Building COLLECT COLLECT-00.toc completed successfully.

C:\Users\gubba\Desktop>



Schedule a task named "lab4_Execution" to run the above executable on the first Monday of every month.

```
Command Prompt
Microsoft Windows [Version 10.0.19042.844]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\gubba>schtasks /create /tn lab4_Execution /tr "C:\Users\gubba\Desktop\build\helloworld.exe" /sc weekly /mo 4 /d 1
SUCCESS: The scheduled task "lab4_Execution" has successfully been created.

C:\Users\gubba>
```

Schedule a task named "lab4" on your machine to run calculator for every five minutes starting from the specified start time with no end.

```
Command Prompt
Microsoft Windows [Version 10.0.19042.844]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\gubba>schtasks /create /tn lab4 /tr "calculator.exe" /sc minute /mo 5
SUCCESS: The scheduled task "lab4" has successfully been created.

C:\Users\gubba>
```

Schedule a task named "lab4(2)" to run notepad starting at 5:00PM and automatically terminating at 5:40PM hours every day.

```
C:\Users\gubba>schtasks /create /tn lab4(2) /tr "notepad.exe" /sc daily /st 17:00 /et 17:40
SUCCESS: The scheduled task "lab4(2)" has successfully been created.

C:\Users\gubba>
```

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

```
C:\Users\gubba>schtasks /create /tn lab4(3) /tr "defrag.exe C:" /sc daily /st 10:00
SUCCESS: The scheduled task "lab4(3)" has successfully been created.

C:\Users\gubba>
```

PowerCFG:


```

C:\Users\gubba>powercfg /lastwake
Wake History Count - 1
Wake History [0]
Wake Source Count - 1
Wake Source [0]
Type: Device
Instance Path: PCI\VEN_8086&DEV_A36D&SUBSYS_12621025&REV_10\3&11583659&0&A0
Friendly Name: Intel(R) USB 3.1 eXtensible Host Controller - 1.10 (Microsoft)
Description: USB xHCI Compliant Host Controller
Manufacturer: Generic USB xHCI Host Controller

C:\Users\gubba>powercfg /a
The following sleep states are available on this system:
Standby (S3)
Hibernate
Hybrid Sleep
Fast Startup

The following sleep states are not available on this system:
Standby (S1)
    The system firmware does not support this standby state.

Standby (S2)
    The system firmware does not support this standby state.

Standby (S0 Low Power Idle)
    The system firmware does not support this standby state.

C:\Users\gubba>

```

Write a script to perform the following jobs:

To lock your windows pc(win+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)

```