

SECURE CODING LAB-6

SLOT-L39+L40

18BCN7128

SEGU NAIMISHA

Question1: Write a python script to get all the file names in the current directory.

Code:

```
import os

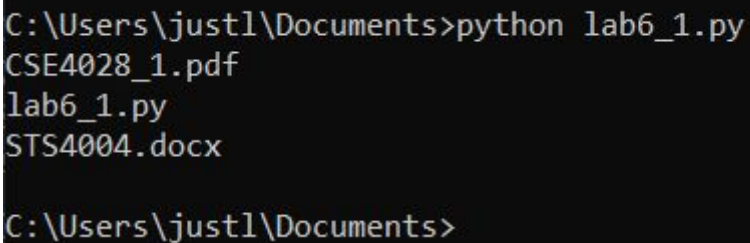
basepath = 'C:/Users/justl/OneDrive/Desktop/Sem-6'

for entry in os.listdir(basepath):

    if os.path.isfile(os.path.join(basepath, entry)):

        print(entry)
```

Output:



```
C:\Users\justl\Documents>python lab6_1.py
CSE4028_1.pdf
lab6_1.py
STS4004.docx

C:\Users\justl\Documents>
```

Question2: Write a python script to get all the directory names in the current directory

Code:

```
import os

basepath = 'C:/Users/justl/OneDrive/Desktop/Sem-6'

for entry in os.listdir(basepath):

    if os.path.isdir(os.path.join(basepath, entry)):

        print(entry)
```

Output:

```
C:\Users\justl\Documents>python lab6_2.py
CSE4001-Cloud_Computing
CSE4002-MAD
Japanese
PHY2003

C:\Users\justl\Documents>
```

Question3: Write a python script to get all the directory and subdirectory names in the current directory

Code:

```
import os

for dirpath, dirnames, files in os.walk('.'):
    print(f'Found directory: {dirpath}')
```

Output:

```
C:\Users\justl\OneDrive\Desktop\Sem-6>python lab6_3.py
Found directory: .
Found directory: .\CSE4001-Cloud_Computing
Found directory: .\CSE4002-MAD
Found directory: .\Japanese
Found directory: .\PHY2003

C:\Users\justl\OneDrive\Desktop\Sem-6>
```

Question4: Write a python script to get all the file name, directory and all the subdirectory names(recursively) in the current directory

Code:

```
import os

for dirpath, dirnames, files in os.walk('.'):
    print(f'Found directory: {dirpath}')

    for file_name in files:
        print(file_name)
```

Output:

```
C:\Users\justl\Documents>cd C:\Users\justl\OneDrive\Desktop\Sem-6
C:\Users\justl\OneDrive\Desktop\Sem-6>python lab6_3.py
Found directory: .
CSE4028_1.pdf
lab6_1.py
lab6_3.py
STS4004.docx
Found directory: .\CSE4001-Cloud_Computing
CSE4001_CLOUD-COMPUTING_TH_1.0_2_CSE4001.docx
Found directory: .\CSE4002-MAD
CSE4002_MOBILE-APPLICATION-DEVELOPMENT_ETH_1.0_2_CSE4002.docx
Found directory: .\Japanese
Marugoto_Japanese language and culture Starter A1 Coursebook for communicative language competences - Japanese Language
Study Book ( PDFDrive ).pdf
Found directory: .\PHY2003
1.1Syllabus.docx
C:\Users\justl\OneDrive\Desktop\Sem-6>
```

Question5: Write a python script to get all the file name, directory and all the subdirectory names(recursively) in the current drive and write it to a text file

Code:

```
import os

f= open("pytotext.txt","w+")

for dirpath, dirnames, files in os.walk('.'):

    print(f'Found directory: {dirpath}')

    f.write(dirpath+" ")

    for file_name in files:

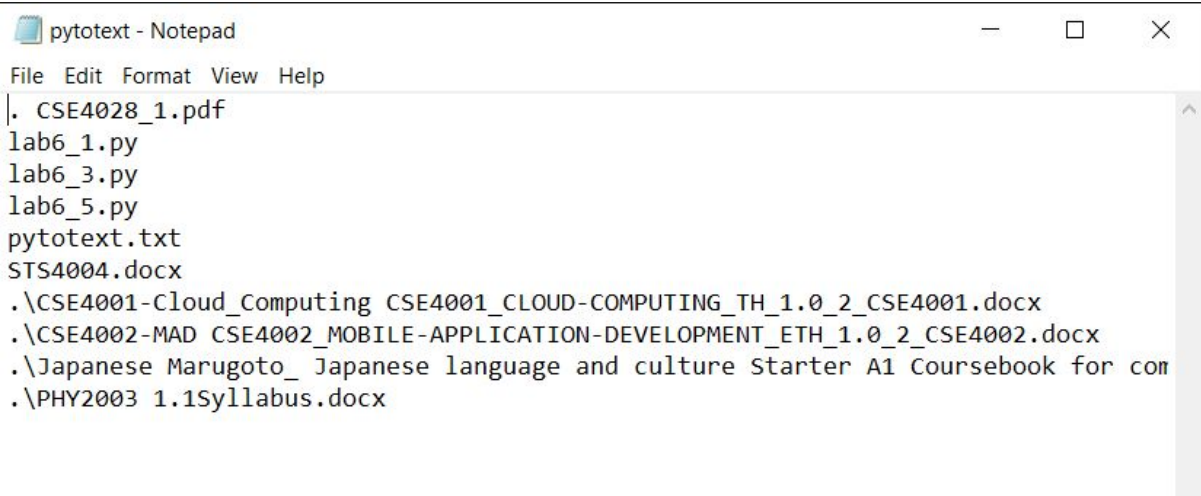
        print(file_name)

        f.write(file_name+"\n")

f.close()
```

Output:

```
C:\Users\justl\OneDrive\Desktop\Sem-6>python lab6_5.py
Found directory: .
CSE4028_1.pdf
lab6_1.py
lab6_3.py
lab6_5.py
pytotext.txt
STS4004.docx
Found directory: .\CSE4001-Cloud_Computing
CSE4001_CLOUD-COMPUTING_TH_1.0_2_CSE4001.docx
Found directory: .\CSE4002-MAD
CSE4002_MOBILE-APPLICATION-DEVELOPMENT_ETH_1.0_2_CSE4002.docx
Found directory: .\Japanese
Marugoto_Japanese language and culture Starter A1 Coursebook for communicative language competences - Japanese Language
Study Book ( PDFDrive ).pdf
Found directory: .\PHY2003
1.1Syllabus.docx
C:\Users\justl\OneDrive\Desktop\Sem-6>
```



A screenshot of a Notepad window titled "pytotext - Notepad". The window has a standard menu bar with "File", "Edit", "Format", "View", and "Help". The text area contains a list of files, with the first line starting with a vertical bar "|". The files listed are:

- |. CSE4028_1.pdf
- lab6_1.py
- lab6_3.py
- lab6_5.py
- pytotext.txt
- STS4004.docx
- .\CSE4001-Cloud_Computing CSE4001_CLOUD-COMPUTING_TH_1.0_2_CSE4001.docx
- .\CSE4002-MAD CSE4002_MOBILE-APPLICATION-DEVELOPMENT_ETH_1.0_2_CSE4002.docx
- .\Japanese Marugoto_ Japanese language and culture Starter A1 Coursebook for com
- .\PHY2003 1.1Syllabus.docx

The text is in a monospaced font, and there is a vertical scrollbar on the right side of the text area.