

LAB-6

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L39+L40

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

```
import os

basepath = 'C:\Users\gubba\Desktop\secure'

for entry in os.listdir(basepath):

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

        print(entry)
```

Output:



```
C:\Users\gubba\Desktop\secure>python lab6_1.py
lab6_1.py
lab6_2.py
lab6_3.py
lab6_4.py
```

1. Write a python script to get all the directory names in the current directory Code:

```
import os

basepath = 'C:\Users\gubba\Desktop\secure'

for entry in os.listdir(basepath):

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

        print(entry)
```

Output:

```
C:\Users\gubba\Desktop\secure>python lab6_2.py  
abcd
```

1. 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\gubba\Desktop\secure>python lab6_3.py  
Found directory: .  
Found directory: .\abcd
```

1. 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\gubba\Desktop\secure>python lab6_4.py
Found directory: .
lab6_1.py
lab6_2.py
lab6_3.py
lab6_4.py
Found directory: .\abcd
123.txt
```

1. 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\gubba\Desktop\secure>python lab6_5.py
Found directory: .
123.txt
18BCN7003_Lab3.pdf
lab6_1.py
lab6_2.py
lab6_3.py
lab6_4.py
lab6_5.py
Found directory: .\abcd
123.txt
```