

Secure coding lab-6

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1)Write a python script to get all the file names in the current directory

lab6_1.py - Notepad

File Edit Format View Help


```
import os
```

```
for root, dirs, files in os.walk("."):
    for filename in files:
        print(filename)|
```

```
C:\Users\Hello\18BCE7292\secure>python3 lab6_1.py
hello.py
lab6_1.py
Secure Coding Lab 1.txt
Secure Coding Lab-2.pdf
Secure coding lab-3.pdf
Secure coding lab-4.pdf
Secure coding lab-5.pdf
Secure coding lab1.pdf
```

```
PS C:\Users\Hello\18BCE7292\secure> python3 lab6_1.py
hello.py
lab6_1.py
Secure Coding Lab 1.txt
Secure Coding Lab-2.pdf
Secure coding lab-3.pdf
Secure coding lab-4.pdf
Secure coding lab-5.pdf
Secure coding lab1.pdf
PS C:\Users\Hello\18BCE7292\secure>
```

2)Write a python script to get all the directory names in the current directory

 lab6_2.py - Notepad

File Edit Format View Help

```
import os
```

```
def files(path):
    for file in os.listdir(path):
        if os.path.isdir(file):
            yield file
```

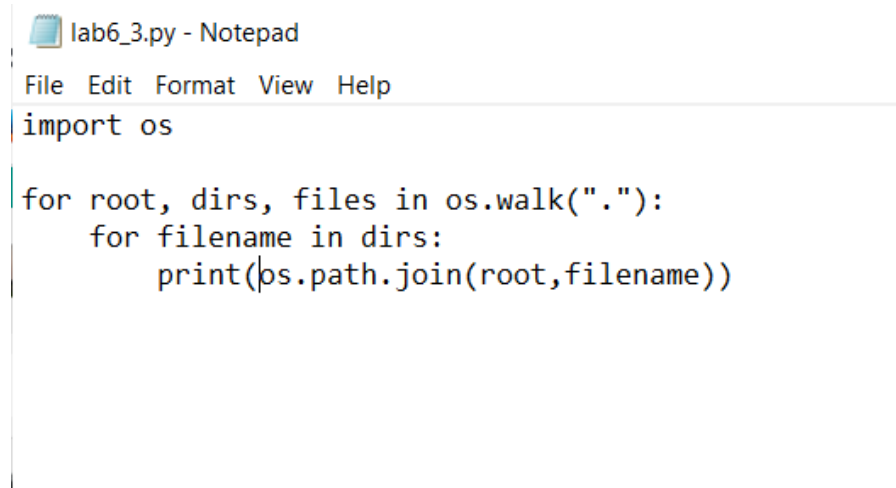
```
for file in files("."):
    print (file)
```

```
C:\Users\Hello\18BCE7292>python3 lab6_2.py
build
computer networks
dist
secure

C:\Users\Hello\18BCE7292>
```

```
PS C:\Users\Hello\18BCE7292> python3 lab6_2.py
build
computer networks
dist
secure
PS C:\Users\Hello\18BCE7292>
```

3)Write a python script to get all the directory and subdirectory names in the current directory



```
lab6_3.py - Notepad
File Edit Format View Help
import os

for root, dirs, files in os.walk("."):
    for filename in dirs:
        print(os.path.join(root,filename))
```

```
C:\Users\Hello\18BCE7292>python3 lab6_3.py
.\build
.\computer networks
.\dist
.\secure
.\build\hello
.\dist\secure
.\secure\18bce7292
C:\Users\Hello\18BCE7292>
```


5)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 text file.

```
lab6_5.py - Notepad
File Edit Format View Help
import os
file=open("securelab6.txt","a")
for root,dirs,files in os.walk("."):
    for dirs in dirs:
        file.write('\n'+dirs)
    file.write('\n')
    for files in files:
        file.write('\n'+files)|
```

```
PS C:\Users\Hello\18BCE7292> python3 lab6_5.py
PS C:\Users\Hello\18BCE7292>
```

```
securelab6.txt - Notepad
File Edit Format View Help
|
build
computer networks
dist
secure

ChatClient.class
ChatClient.java
ChatServer.class
ChatServer.java
Client.class
ClientHandler.class
DataReciever.class
DataReciever.java
DataReciever2.class
DataReciever2.java
DataSender.class
DataSender.java
DateClient.class
DateClient.java
DateServer.class
DateServer.java
DReciever.class
DSender.class
hello.spec
lab6_2.py
lab6_3.py
lab6_4.py
lab6_5.py
mclient.class
mclient.java
mserver.class
mserver.java
MultiClient.class
MultiClient.java
MultiClient1.class
MultiClient1.java
MultiClient2.class
MultiClient2.java
MultiClient3.class
MultiClient3.java
MultiServer.class
```

6) Write a python script which creates four new files in the current directory using Powershell.

lab6_6.py - Notepad

File Edit Format View Help

```
import subprocess
create=subprocess.Popen(["powershell","New-Item py1.txt,py2.txt,py3.txt,py4.txt"],stdout=subprocess.PIPE)
output=create.communicate()[0]
print(output)
```

```
C:\Users\Hello>cd 18BCE7292
C:\Users\Hello\18BCE7292>python3 lab6_6.py
b'\r\n\r\n' Directory: C:\Users\Hello\18BCE7292\r\n\r\n\r\nMode
-----
\r\n-a--- 10-03-2021 11:09 AM 0 py2.txt \r\n-a--- 10-03-2021 11:09 AM 0 py1.txt \r\n---
\r\n-a--- 10-03-2021 11:09 AM 0 py4.txt \r\n-a--- 10-03-2021 11:09 AM 0 py3.txt \r\n\r\n\r\n\r\n'
C:\Users\Hello\18BCE7292>
```

```
PS C:\Users\Hello\18BCE7292> python3 lab6_6.py
b'\r\n\r\n' Directory: C:\Users\Hello\18BCE7292\r\n\r\n\r\nMode
-----
\r\n-a--- 10-03-2021 11:12 AM 0 py1.txt \r\n-a--- 10-03-2021 11:12 AM 0 py3.txt
AM 0 py2.txt \r\n-a--- 10-03-2021 11:12 AM 0 py4.txt \r\n\r\n\r\n\r\n'
PS C:\Users\Hello\18BCE7292>
```