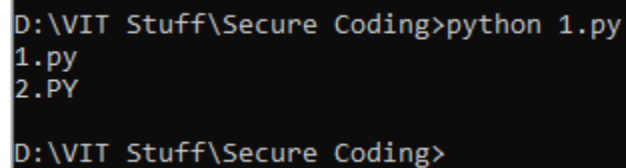


Name : Naga Jayanth Chennupati
Regn No : 18BCN7084

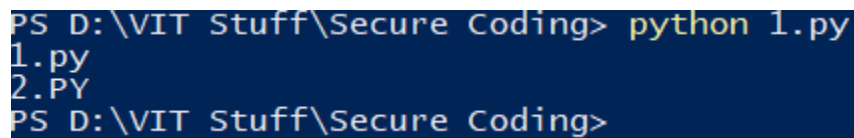
Lab - 6

1.

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



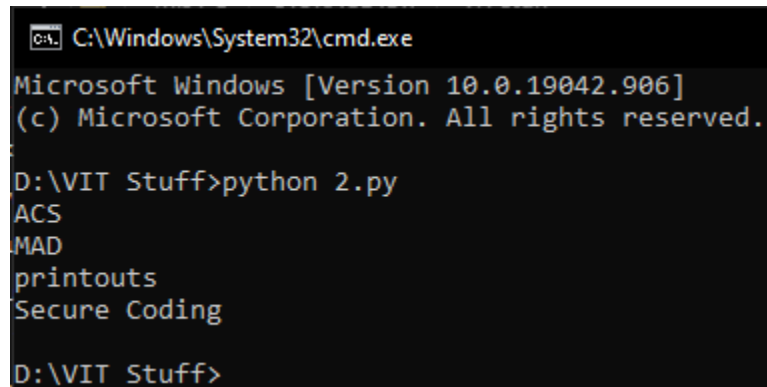
```
D:\VIT Stuff\Secure Coding>python 1.py
1.py
2.PY
D:\VIT Stuff\Secure Coding>
```



```
PS D:\VIT Stuff\Secure Coding> python 1.py
1.py
2.PY
PS D:\VIT Stuff\Secure Coding>
```

2.

```
import os
directory_contents = os.listdir(".")
for item in directory_contents:
    if os.path.isdir(item):
        print(item)
```



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.906]
(c) Microsoft Corporation. All rights reserved.

D:\VIT Stuff>python 2.py
ACS
MAD
printouts
Secure Coding
D:\VIT Stuff>
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\VIT Stuff> python 2.py
ACS
MAD
printouts
Secure Coding
PS D:\VIT Stuff>
```

3.

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

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.906]
(c) Microsoft Corporation. All rights reserved.

D:\VIT Stuff>python 3.py
.\ACS
.\MAD
.\printouts
.\Secure Coding
.\ACS\CAT
.\MAD\CAT 1
.\MAD\LAB
.\printouts\ACS
.\printouts\MAD
.\printouts\SC
D:\VIT Stuff>
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\VIT Stuff> python 3.py
.\ACS
.\MAD
.\printouts
.\Secure Coding
.\ACS\CAT
.\MAD\CAT 1
.\MAD\LAB
.\printouts\ACS
.\printouts\MAD
.\printouts\SC
PS D:\VIT Stuff>
```

4.

```
import os
def recursive(dir, ext):
    subfolders, files = [], []

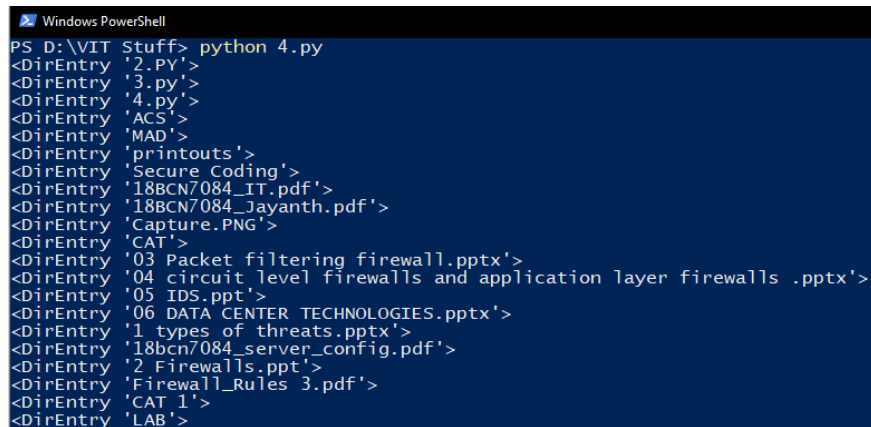
    for f in os.scandir(dir):
        if f.is_dir():
            subfolders.append(f.path)
            print(f)
        if f.is_file():
            files.append(f.path)
            print(f)

    for dir in list(subfolders):
        sf, f = recursive(dir, ext)
        subfolders.extend(sf)
        files.extend(f)
    return subfolders, files

subfolders, files = recursive(".", ["."])
```

A terminal window with a black background and white text. The prompt is 'D:\VIT Stuff>python 4.py'. The output lists directory entries: '2.PY', '3.py', '4.py', 'ACS', 'MAD', 'printouts', 'Secure Coding', '18BCN7084_IT.pdf', '18BCN7084_Jayanth.pdf', 'Capture.PNG', 'CAT', '03 Packet filtering firewall.pptx', '04 circuit level firewalls and application layer firewalls .pptx', and '05 IDS.ppt'.

```
D:\VIT Stuff>python 4.py
<DirEntry '2.PY'>
<DirEntry '3.py'>
<DirEntry '4.py'>
<DirEntry 'ACS'>
<DirEntry 'MAD'>
<DirEntry 'printouts'>
<DirEntry 'Secure Coding'>
<DirEntry '18BCN7084_IT.pdf'>
<DirEntry '18BCN7084_Jayanth.pdf'>
<DirEntry 'Capture.PNG'>
<DirEntry 'CAT'>
<DirEntry '03 Packet filtering firewall.pptx'>
<DirEntry '04 circuit level firewalls and application layer firewalls .pptx'>
<DirEntry '05 IDS.ppt'>
```

A Windows PowerShell window with a blue background and white text. The prompt is 'PS D:\VIT Stuff> python 4.py'. The output lists directory entries: '2.PY', '3.py', '4.py', 'ACS', 'MAD', 'printouts', 'Secure Coding', '18BCN7084_IT.pdf', '18BCN7084_Jayanth.pdf', 'Capture.PNG', 'CAT', '03 Packet filtering firewall.pptx', '04 circuit level firewalls and application layer firewalls .pptx', '05 IDS.ppt', '06 DATA CENTER TECHNOLOGIES.pptx', '1 types of threats.pptx', '18bcn7084_server_config.pdf', '2.Firewalls.ppt', 'Firewall_Rules 3.pdf', 'CAT 1', and 'LAB'.

```
Windows PowerShell
PS D:\VIT Stuff> python 4.py
<DirEntry '2.PY'>
<DirEntry '3.py'>
<DirEntry '4.py'>
<DirEntry 'ACS'>
<DirEntry 'MAD'>
<DirEntry 'printouts'>
<DirEntry 'Secure Coding'>
<DirEntry '18BCN7084_IT.pdf'>
<DirEntry '18BCN7084_Jayanth.pdf'>
<DirEntry 'Capture.PNG'>
<DirEntry 'CAT'>
<DirEntry '03 Packet filtering firewall.pptx'>
<DirEntry '04 circuit level firewalls and application layer firewalls .pptx'>
<DirEntry '05 IDS.ppt'>
<DirEntry '06 DATA CENTER TECHNOLOGIES.pptx'>
<DirEntry '1 types of threats.pptx'>
<DirEntry '18bcn7084_server_config.pdf'>
<DirEntry '2.Firewalls.ppt'>
<DirEntry 'Firewall_Rules 3.pdf'>
<DirEntry 'CAT 1'>
<DirEntry 'LAB'>
```

5.

```
import os
def recursive(dir, ext):
    subfolders, files = [], []
    for f in os.scandir(dir):
        if f.is_dir():
            subfolders.append(f.path)
            with open('direct.txt', 'a') as g:
                print(f,file=g)
        if f.is_file():
            files.append(f.path)
            with open('direct.txt', 'a') as g:
                print(f,file=g)
    for dir in list(subfolders):
        sf, f = recursive(dir, ext)
        subfolders.extend(sf)
        files.extend(f)
    return subfolders, files

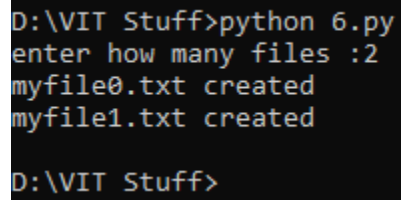
subfolders, files = recursive(".", ["."])
```

```
<DirEntry '188CN7084_LAB5.pdf'>
<DirEntry '188CN7084_LAB6.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_12-Dec-2019_class5_views.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_13-Dec-2019_class6_textviews_scrollviews.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_17-Dec-2019_class8_layouts.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_19-Dec-2019_Class7_The_Activity_Lifecycle_and_Managing_State.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_21-Jan-2020_Activities_and_Intents.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_23-Jan-2020_Intents.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_28-Jan-2020_Services.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_31-Jan-2020_Broadcast_Receiver.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_12-Feb-2020_4.1_User_Input_Controls.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_13-Feb-2020_7.4_Services.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_18-Feb-2020_8.1_Notifications_1.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_19-Feb-2020_AdapterView.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_20-Feb-2020_FAB.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_25-Feb-2020_Android_Spinner.pdf'>
<DirEntry 'Security Principles - Part 3.pptx'>
<DirEntry 'Security Principles - Part 1.pptx'>
<DirEntry 'Security Principles - Part 2.pptx'>
<DirEntry 'Software Security Fundamentals.pptx'>
<DirEntry 'Vulnerabilities - Part 1.pptx'>
<DirEntry 'Vulnerabilities - Part 2.pptx'>
<DirEntry '1.py'>
<DirEntry '188CN7081_Secure_Coding_Lab-7.pdf'>
<DirEntry 'Secure_Coding -Lab6-188ce7271.pdf'>
```

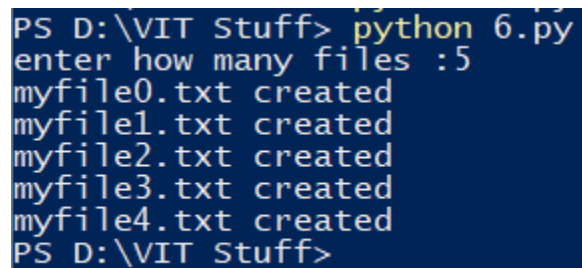
```
Windows PowerShell
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_25-Feb-2020_Android_Spinner.pdf'>
<DirEntry '188CN7036(LAB5).docx'>
<DirEntry '188CN7084_LAB1.pdf'>
<DirEntry '188CN7084_LAB2.pdf'>
<DirEntry '188CN7084_LAB3.pdf'>
<DirEntry '188CN7084_LAB4.pdf'>
<DirEntry '188CN7084_LAB5.pdf'>
<DirEntry '188CN7084_LAB6.pdf'>
<DirEntry 'ACS'>
<DirEntry 'MAD'>
<DirEntry 'SCS'>
<DirEntry '03 Packet filtering Firewall.pdf'>
<DirEntry '04 circuit level firewalls and application layer firewalls -converted.pdf'>
<DirEntry '05 IDS -converted.pdf'>
<DirEntry '06 DATA CENTER TECHNOLOGIES-converted.pdf'>
<DirEntry '07 Server and its type.pdf'>
<DirEntry '1 types of threats.pdf'>
<DirEntry '2 Firewalls.pdf'>
<DirEntry 'Edge Devices-converted.pdf'>
<DirEntry 'Firewall Rules 3.pdf'>
<DirEntry 'IDS AND IPS.pdf'>
<DirEntry 'INFORMATION SECURITY-converted.pdf'>
<DirEntry 'Module 1-converted.pdf'>
<DirEntry 'Storage area Network-converted.pdf'>
<DirEntry 'Technical Configuration and Specification (1)-converted.pdf'>
<DirEntry '188CN7084_LAB1.pdf'>
<DirEntry '188CN7084_LAB2.pdf'>
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<DirEntry '188CN7084_LAB5.pdf'>
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<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_19-Dec-2019_Class7_The_Activity_Lifecycle_and_Managing_State.pdf'>
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<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000378_Reference_Material_I_31-Jan-2020_Broadcast_Receiver.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_12-Feb-2020_4.1_User_Input_Controls.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_13-Feb-2020_7.4_Services.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_18-Feb-2020_8.1_Notifications_1.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_19-Feb-2020_AdapterView.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_20-Feb-2020_FAB.pdf'>
<DirEntry 'WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_25-Feb-2020_Android_Spinner.pdf'>
<DirEntry 'Security Principles - Part 3.pptx'>
<DirEntry 'Security Principles - Part 1.pptx'>
<DirEntry 'Security Principles - Part 2.pptx'>
<DirEntry 'Software Security Fundamentals.pptx'>
```

6.

```
import os
path="."
a=int(input("enter how many files :"))
for x in range(a):
    c=str(x)
    file ='myfile'+c+'.txt'
    b=open(os.path.join(path, file), 'w')
    print(file,"created")
```



```
D:\VIT Stuff>python 6.py
enter how many files :2
myfile0.txt created
myfile1.txt created
D:\VIT Stuff>
```



```
PS D:\VIT Stuff> python 6.py
enter how many files :5
myfile0.txt created
myfile1.txt created
myfile2.txt created
myfile3.txt created
myfile4.txt created
PS D:\VIT Stuff>
```