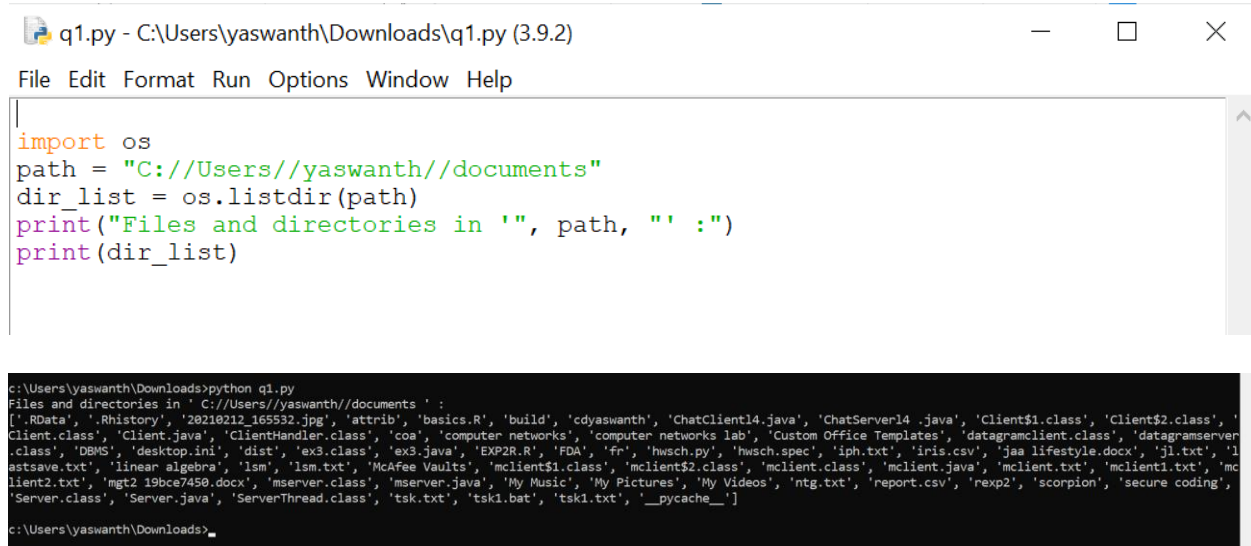


Write a python script to get all the file names in the current directory



The screenshot shows a Python script named q1.py in a text editor. The script uses the os module to list the contents of the directory C://Users//yaswanth//documents. Below the script, a terminal window shows the command 'python q1.py' being executed, resulting in a long list of files and directories printed to the console.

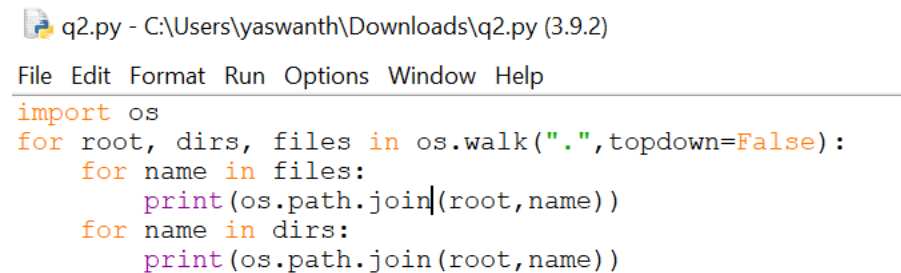
```
q1.py - C:\Users\yaswanth\Downloads\q1.py (3.9.2)
File Edit Format Run Options Window Help

import os
path = "C://Users//yaswanth//documents"
dir_list = os.listdir(path)
print("Files and directories in '", path, "' :")
print(dir_list)

c:\Users\yaswanth\Downloads>python q1.py
Files and directories in ' C://Users//yaswanth//documents ' :
['.RData', '.Rhistory', '20210212 165532.jpg', 'attrib', 'basics.R', 'build', 'cdyaswanth', 'ChatClient14.java', 'ChatServer14.java', 'Client$1.class', 'Client$2.class', 'Client.class', 'Client.java', 'ClientHandler.class', 'coa', 'computer networks', 'computer networks lab', 'Custom Office Templates', 'datagramclient.class', 'datagramserver.class', 'DBMS', 'desktop.ini', 'dist', 'ex3.class', 'ex3.java', 'EXP2R.R', 'FDA', 'fr', 'hwsch.py', 'hwsch.spec', 'iph.txt', 'iris.csv', 'jaa lifestyle.docx', 'j1.txt', 'lastsave.txt', 'linear algebra', 'lsm', 'lsm.txt', 'McAfee Vaults', 'mclient$1.class', 'mclient$2.class', 'mclient.class', 'mclient.java', 'mclient.txt', 'mclient1.txt', 'mclient2.txt', 'mgt2 19bce7450.docx', 'mserver.class', 'mserver.java', 'My Music', 'My Pictures', 'My Videos', 'ntg.txt', 'report.csv', 'rexp2', 'scorpion', 'secure coding', 'Server.class', 'Server.java', 'ServerThread.class', 'tsk.txt', 'tsk1.bat', 'tsk1.txt', '__pycache__']

c:\Users\yaswanth\Downloads>
```

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



The screenshot shows a Python script named q2.py in a text editor. The script uses the os.walk function to traverse the directory tree starting from the current directory ('.'). It prints the full path for every directory encountered.


```
q2.py - C:\Users\yaswanth\Downloads\q2.py (3.9.2)
File Edit Format Run Options Window Help

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

```
c:\Users\yaswanth\Downloads>q2.py
Traceback (most recent call last):
  File "C:\Users\yaswanth\Downloads\q2.py", line 4, in <module>
    print(os.path.join(root,name))
AttributeError: module 'ntpath' has no attribute 'join'

c:\Users\yaswanth\Downloads>q2.py
.\Java_Socket_Programming_chat\SocketClientDemo\.settings\org.eclipse.jdt.core.prefs
.\Java_Socket_Programming_chat\SocketClientDemo\bin\Client.class
.\Java_Socket_Programming_chat\SocketClientDemo\src\Client.java
.\Java_Socket_Programming_chat\SocketClientDemo\classpath
.\Java_Socket_Programming_chat\SocketClientDemo\project
.\Java_Socket_Programming_chat\SocketClientDemo\.settings
.\Java_Socket_Programming_chat\SocketClientDemo\bin
.\Java_Socket_Programming_chat\SocketClientDemo\src
.\Java_Socket_Programming_chat\SocketServerDemo\.settings\org.eclipse.jdt.core.prefs
.\Java_Socket_Programming_chat\SocketServerDemo\bin\Server.class
.\Java_Socket_Programming_chat\SocketServerDemo\src\Server.java
.\Java_Socket_Programming_chat\SocketServerDemo\classpath
.\Java_Socket_Programming_chat\SocketServerDemo\project
.\Java_Socket_Programming_chat\SocketServerDemo\.settings
.\Java_Socket_Programming_chat\SocketServerDemo\bin
.\Java_Socket_Programming_chat\SocketServerDemo\src
.\Java_Socket_Programming_chat\Java Socket Programming_chat.pptx
.\Java_Socket_Programming_chat\SocketClientDemo
.\Java_Socket_Programming_chat\SocketServerDemo
.\VIT - VTOP_files\AdminLTE.css
.\VIT - VTOP_files\bootstrap-datepicker.js.download
.\VIT - VTOP_files\bootstrap-timepicker.min.css
.\VIT - VTOP_files\bootstrap-timepicker.min.js.download
.\VIT - VTOP_files\bootstrap.min.css
.\VIT - VTOP_files\bootstrap.min.js.download
.\VIT - VTOP_files\bootstrapValidator.css
.\VIT - VTOP_files\bootstrapValidator.js.download
.\VIT - VTOP_files\daterangepicker.css
.\VIT - VTOP_files\daterangepicker.js.download
.\VIT - VTOP_files\fastclick.js.download
.\VIT - VTOP_files\font-awesome.min.css
.\VIT - VTOP_files\jquery-2.2.3.min.js.download
.\VIT - VTOP_files\jquery-ui.min.js.download
```

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

 q2.py - C:\Users\yaswanth\Downloads\q2.py (3.9.2)

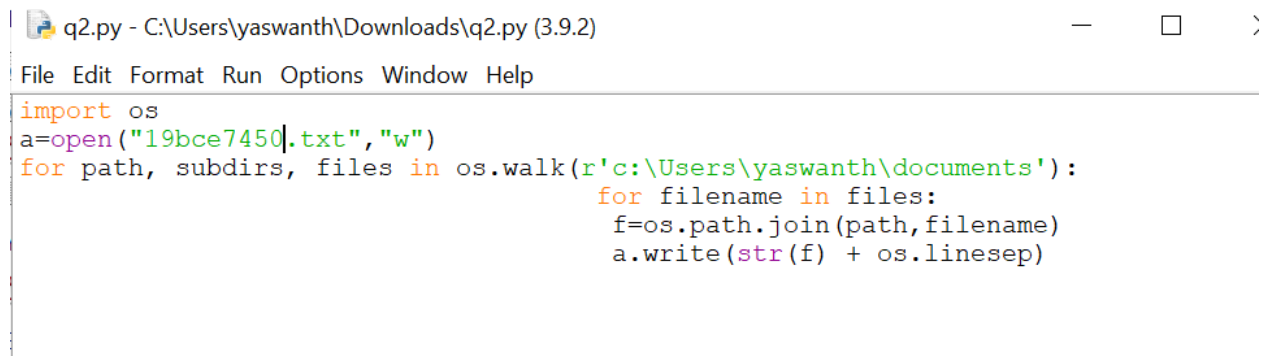
File Edit Format Run Options Window Help

```
import pathlib
currentDirectory=pathlib.Path('.')
for currentFile in currentDirectory.iterdir():
    print(currentFile)
```

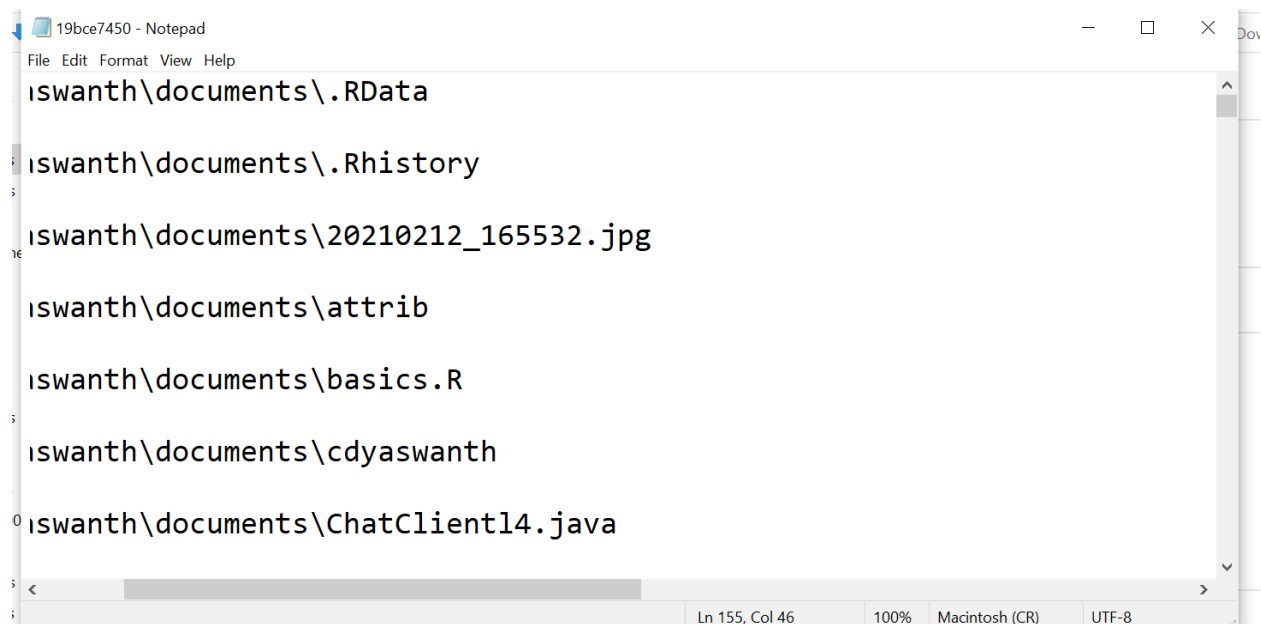
C:\Windows\system32\cmd.exe - cmd documents - cmd documents

```
android_vulnerabilities.pdf
Assignment-1.doc
Assignment-2(SQL Queries from 47-86)-19BCI7101.pdf
Assignment-4.docx
Assignments-4.doc
BraveBrowserSetup-FAZ287.exe
CHY1001_Fall 19-20_CAT-1 (2).pdf
CN LAB Experiment 1 - 19bce7450.docx
CN LAB Experiment 1 - Template.docx
CN LAB Experiment 2 - 19bce7450.docx
CN LAB Experiment 2 - Template.docx
CN LAB Experiment 3 - 19bce7450.docx
CN LAB Experiment 3 - Template.docx
CN LAB Experiment 4-19bce7450.docx
CN LAB Experiment 4-19bce7450.pdf
CN LAB Experiment 4.docx
cnvi.pdf
coaquiz1.pdf
Configuration of secure password using SSH in Router & Switch.pdf
CSE-2010_19BCN7050_Lab Assignment-3 (1).pdf
CSE-2010_19BCN7050_Lab Assignment-4.pdf
CSE1006_Fall 19-20_CAT-1 (6).pdf
CSE2009_Winter 2018-19_CAT-2.pdf
CSE2009_Winter 2018-19_CAT-3.pdf
CSE2009_Winter18-19_CAT-1.pdf
CSE3003_Fall 19-20_CAT-1 (2).pdf
desktop.ini
E library App - Journey.mp4
ECE2002_Fall 19-20_CAT-1 (2).pdf
ECE2002_Fall 19-20_CAT-1 (3).pdf
ECE2002_Fall 19-20_CAT-1 (4).pdf
ECE2002_Fall 19-20_CAT-1 (5).pdf
ECE2002_Fall 19-20_CAT-1 (7).pdf
ECE2002_Fall18-19_CAT-1.pdf
EFHSetup.msi
empolyee ,department tables.txt
ex1.java
Exam_from_Home_Windows_Training_07012021.ppsx
Exploratory Data Analysis in R.pdf
FDA Excercise 3.docx
FDA Excercise 3.pdf
```

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

A screenshot of a text editor window titled 'q2.py - C:\Users\yaswanth\Downloads\q2.py (3.9.2)'. The editor has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The code is a Python script that imports the 'os' module, opens a file named '19bce7450.txt' in write mode, and then recursively walks through the directory 'c:\Users\yaswanth\documents'. For each file found, it joins the path and filename, and writes the full path to the output file.

```
import os
a=open("19bce7450.txt","w")
for path, subdirs, files in os.walk(r'c:\Users\yaswanth\documents'):
    for filename in files:
        f=os.path.join(path,filename)
        a.write(str(f) + os.linesep)
```

A screenshot of a Notepad window titled '19bce7450 - Notepad'. The window shows the output of the Python script, which is a list of file and directory paths from the 'c:\Users\yaswanth\documents' directory. The paths are listed one per line.

```
iswanth\documents\.RData
iswanth\documents\.Rhistory
iswanth\documents\20210212_165532.jpg
iswanth\documents\attrib
iswanth\documents\basics.R
iswanth\documents\cdyaswanth
iswanth\documents\ChatClient14.java
```

The status bar at the bottom indicates 'Ln 155, Col 46', '100%', 'Macintosh (CR)', and 'UTF-8'.

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

```
list1 = ['a', 'b', 'c','d']
for i in range(len(list1)):
    open('file%s.txt' % i, 'w').write(list1[i])
```

```

Select Administrator: Windows PowerShell

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

PS C:\Windows\system32> cd 'C:\Python\Python392'
PS C:\Python\Python392> python CreateFiles.py
PS C:\Python\Python392>

```

Desktop	CSE2010_LAB6_19BCN7114	4/27/2021 10:13 PM	Adobe Acrobat Docu...	711 KB
Downloads	ps	4/27/2021 10:28 PM	Python File	1 KB
Documents	file0	4/27/2021 10:29 PM	Text Document	1 KB
Pictures	file1	4/27/2021 10:29 PM	Text Document	1 KB
computer netwo	file2	4/27/2021 10:29 PM	Text Document	1 KB
dbms lab	file3	4/27/2021 10:29 PM	Text Document	1 KB
FDA LAB	Yesterday (2)			
secure coding	VSCodeUserSetup-x64-1.55.2	4/26/2021 12:28 PM	Application	70,564 KB
OneDrive	Ex No 10 1	4/26/2021 10:33 PM	Adobe Acrobat Docu...	68 KB
Documents	Earlier this week (5)			
This PC	secure coding assignment 1	4/25/2021 11:03 PM	Microsoft Word Doc...	17 KB
3D Objects	scq1	4/25/2021 8:23 PM	Text Document	2 KB
117.213.200.12	QUESTION -1	4/25/2021 10:27 PM	Microsoft Word Doc...	8 KB
Desktop	Assignment-1	4/25/2021 10:52 PM	Microsoft Word Doc...	184 KB
Documents	19BCE7450_AP2020215000074_DA01	4/25/2021 11:12 PM	Adobe Acrobat Docu...	299 KB