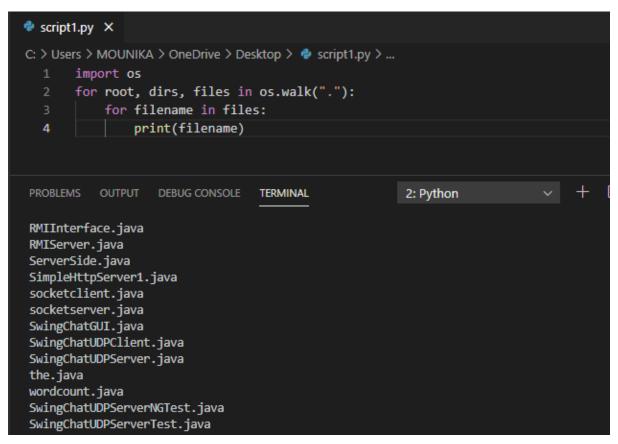
## Secure Coding

## Lab-6

Ummadi. Mounika 18BCN7130 SLOT - L23+L24

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

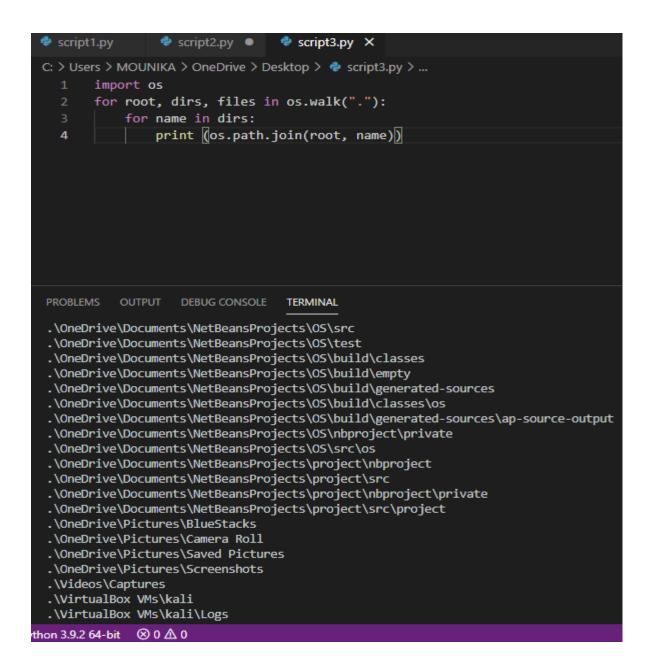


2. Write a python script to get all the directory names in the current directory

```
script1.py
                  script2.py
  C: > Users > MOUNIKA > OneDrive > Desktop > 💠 script2.py > ...
        import os
        directory_contents = os.listdir(".")
    3 for item in directory_contents:
             if os.path.isdir(item):
                 print(item)
  PROBLEMS OUTPUT
                     DEBUG CONSOLE
                                     TERMINAL
                                                           2: Python
  $ python c:/Users/MOUNIKA/OneDrive/Desktop/script2.py
  .eclipse
  .idlerc
  .nbi
  .p2
  .pylint.d
  .tooling
  .VirtualBox
  .vscode
  .Xilinx
  .zenmap
  3D Objects
  AppData
                                                           Ln 6, Col 8 Spaces: 4 UTF-8
ython 3.9.2 64-bit 🛛 🛇 0 🛕 0
PS C:\Windows> python script2.py
addins
appcompat
```

```
PS C:\Windows> python script2.py
addins
appcompat
apppatch
AppReadiness
assembly
bcastdvr
Boot
Branding
CbsTemp
Containers
Cursors
debug
diagnostics
DiagTrack
DigitalLocker
Downloaded Program Files
```

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



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

```
script1.py
                             script2.py • script3.py
                                                                                 script4.py X
   C: > Users > MOUNIKA > OneDrive > Desktop > ♦ script4.py > ♦ recursive
               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)
      13
                     for dir in list(subfolders):
    PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
     <DirEntry 'METADATA.toml'>
    <DirEntry '__init__.pyi'>
<DirEntry 'first.pyi'>
    <DirEntry 'METADATA.toml'>
     <DirEntry 'flask'>
     <DirEntry 'METADATA.toml'>
    <DirEntry 'debughelpers.pyi'>
    Objective debugnespers.py
Objective 'globals.pyi'>
Objective 'helpers.pyi'>
Objective 'json'>
Objective 'logging.pyi'>
Objective 'sessions.pyi'>
Objective 'signals.pyi'>
    <DirEntry 'templating.pyi'>
PS C:\Windows> python script4.py

<DirEntry 'bfsvc.exe'>
<DirEntry 'Boot'>
<DirEntry 'bootstat.dat'>
<DirEntry bootstat.uat >
<DirEntry 'Branding'>
<DirEntry 'CbsTemp'>
<DirEntry 'comsetup.log'>
<DirEntry 'Containers'>
<DirEntry 'Core.xml'>
<DirEntry 'CoreSingleLanguage.xml'>
<DirEntry 'CSUP.txt'>
<DirEntry 'Cursors'>
<DirEntry 'debug'>
<DirEntry 'diagerr.xml'>
<DirEntry 'diagnostics'>
```

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 a text file.

```
script2.py
                                                                     script5.py X
  script1.py
                                   script3.py
                                                    script4.py
  C: > Users > MOUNIKA > OneDrive > Desktop > 💠 script5.py > ...
             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)
   12
              for dir in list(subfolders):
                  sf, f = recursive(dir, ext)
                  subfolders.extend(sf)
                  files.extend(f)
              return subfolders, files
   20
         subfolders, files = recursive(".", ["."])
  PROBLEMS OUTPUT DEBUG CONSOLE
                                    TERMINAL
  IndentationError: unindent does not match any outer indentation level
  MOUNIKA@LAPTOP-OT4TJØVC MINGW64 ~
  $ python c:/Users/MOUNIKA/OneDrive/Desktop/script5.py
  Traceback (most recent call last):
    File "c:\Users\MOUNIKA\OneDrive\Desktop\script5.py", line 20, in <module>
      subfolders, files = recursive(".", ["."])
    File "c:\Users\MOUNIKA\OneDrive\Desktop\script5.py", line 14, in recursive
      sf, f = recursive(dir, ext)
    File "c:\Users\MOUNIKA\OneDrive\Desktop\script5.py", line 14, in recursive
      sf, f = recursive(dir, ext)
    File "c:\Users\MOUNIKA\OneDrive\Desktop\script5.py", line 14, in recursive
ython 3.9.2 64-bit ⊗ 0 🛆 0
```

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

