

LAB-6

K.Bala Eswar

19BCN7003

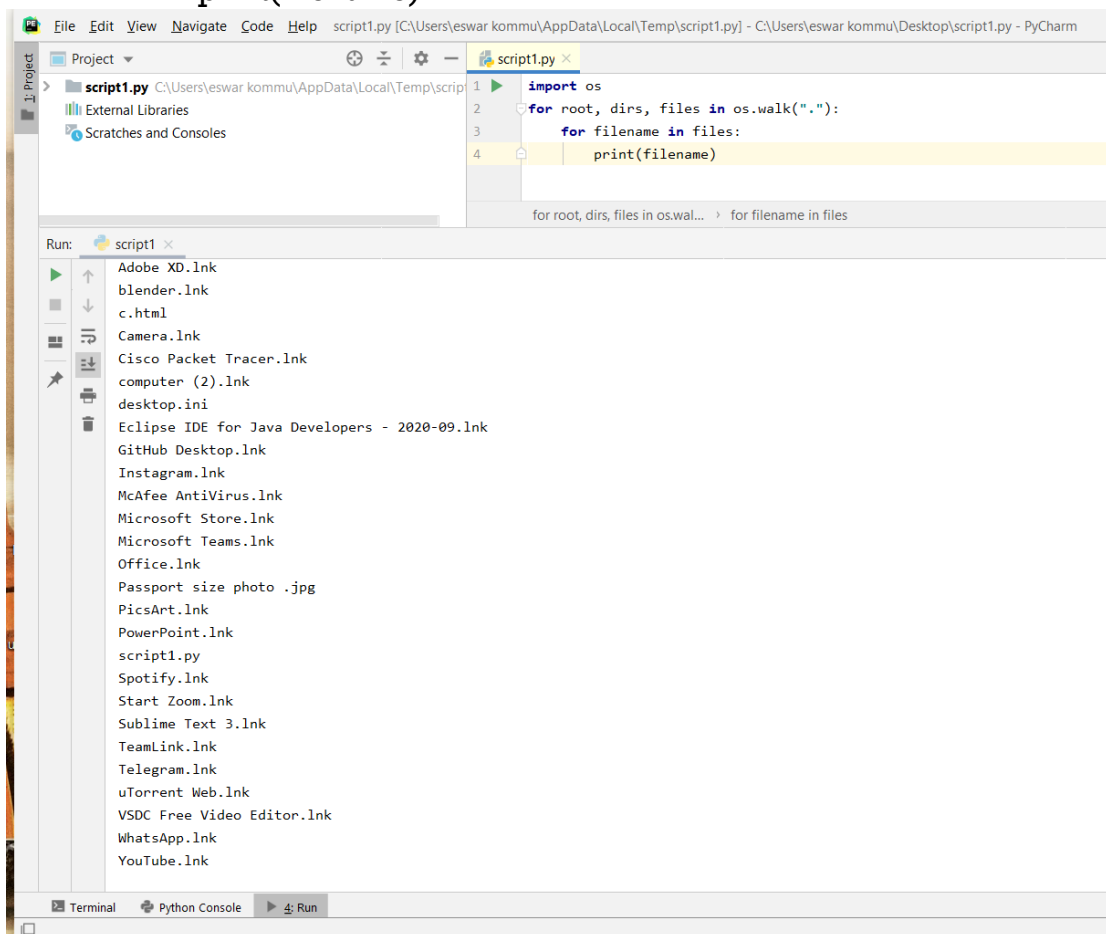
1. Write a python script to get all the file names in the current directory

Code:

```
import os
```

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

```
        print(filename)
```



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

Code:

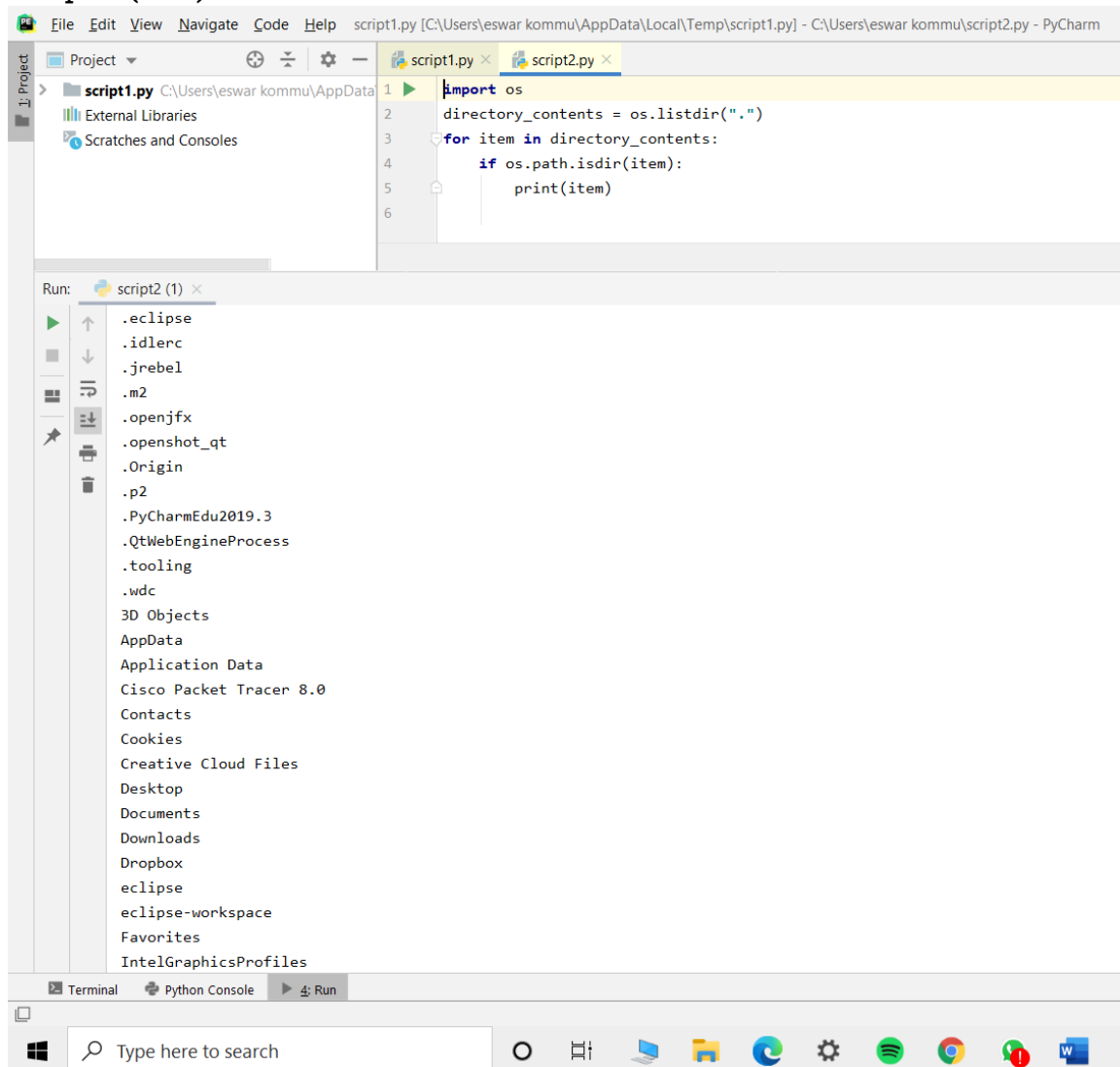
```
import os
```

```
directory_contents = os.listdir(".")
```

```
for item in directory_contents:
```

```
    if os.path.isdir(item):
```

```
        print(item)
```



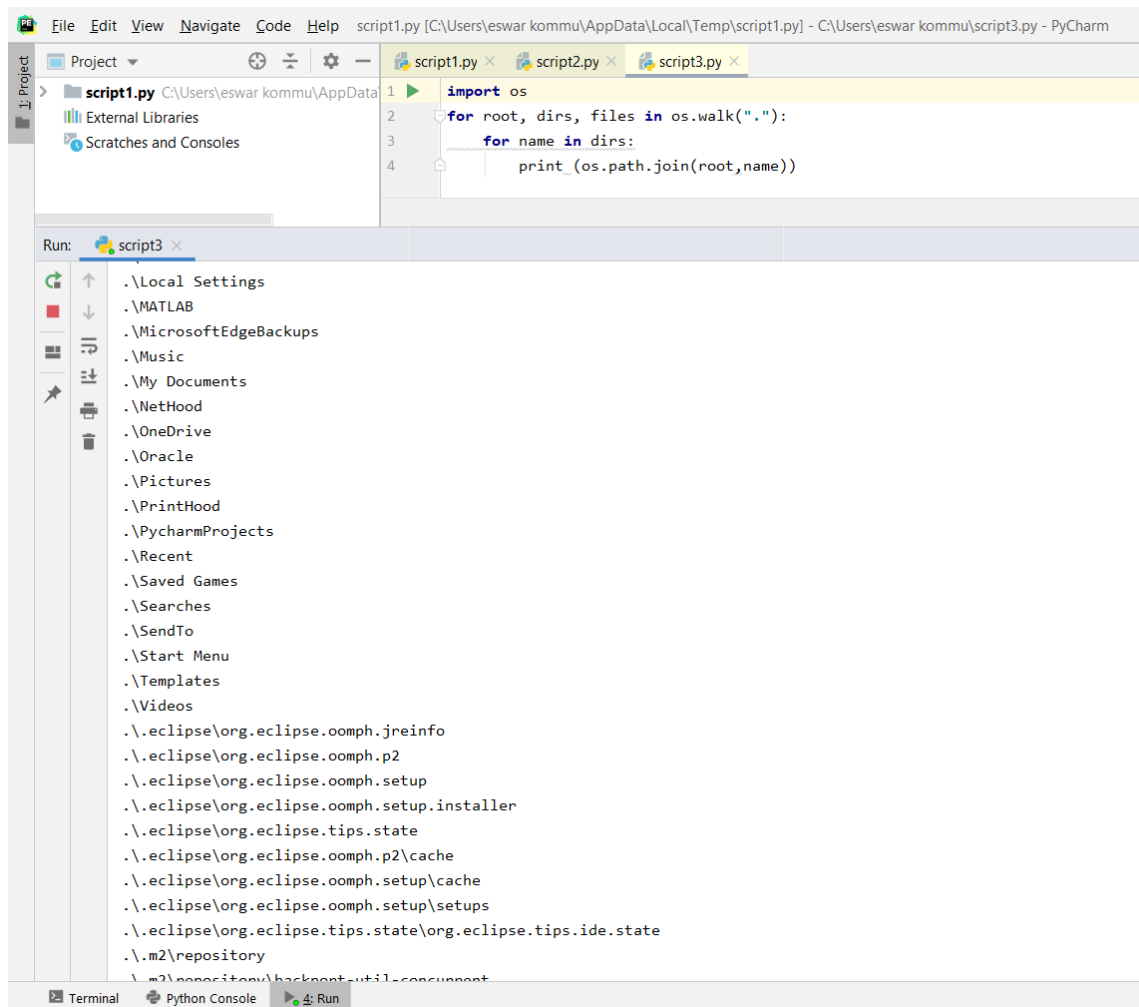
3. Write a python script to get all the directory and subdirectory names in the current directory

Code:

```
import os
```

```
for root, dirs, files in os.walk("."):
    for name in dirs:
```

```
        print (os.path.join(root,name))
```



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

```
2  def recursive(dir, ext):
3      subfolders, files = [], []
4
5      for f in os.scandir(dir):
6          if f.is_dir():
7              subfolders.append(f.path)
8              print(f)
9          if f.is_file():
10             files.append(f.path)
11             print(f)
12
13
14     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 'app.pyi'>
<DirEntry 'blueprints.pyi'>
<DirEntry 'cli.pyi'>
<DirEntry 'config.pyi'>
<DirEntry 'ctx.pyi'>
<DirEntry 'debughelpers.pyi'>
<DirEntry 'globals.pyi'>
<DirEntry 'helpers.pyi'>
<DirEntry 'json'>
<DirEntry 'logging.pyi'>
<DirEntry 'sessions.pyi'>
<DirEntry 'signals.pyi'>
<DirEntry 'templating.pyi'>
```

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.

Code:

```
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(".",["."])
```

```
3     subfolders, files = [], []
4     for f in os.scandir(dir):
5         if f.is_dir():
6             subfolders.append(f.path)
7             with open('direct.txt', 'a') as g:
8                 print(f,file=g)
9         if f.is_file():
10             files.append(f.path)
11             with open('direct.txt', 'a') as g:
12                 print(f,file=g)
13     for dir in list(subfolders):
14         sf, f = recursive(dir, ext)
15         subfolders.extend(sf)
16         files.extend(f)
17     return subfolders, files
18
19
20 subfolders, files = recursive(".", ["."])
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

IndentationError: unindent does not match any outer indentation level

MOUNIKA@LAPTOP-OT4TJ0VC 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

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

Code:

```
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")
```

