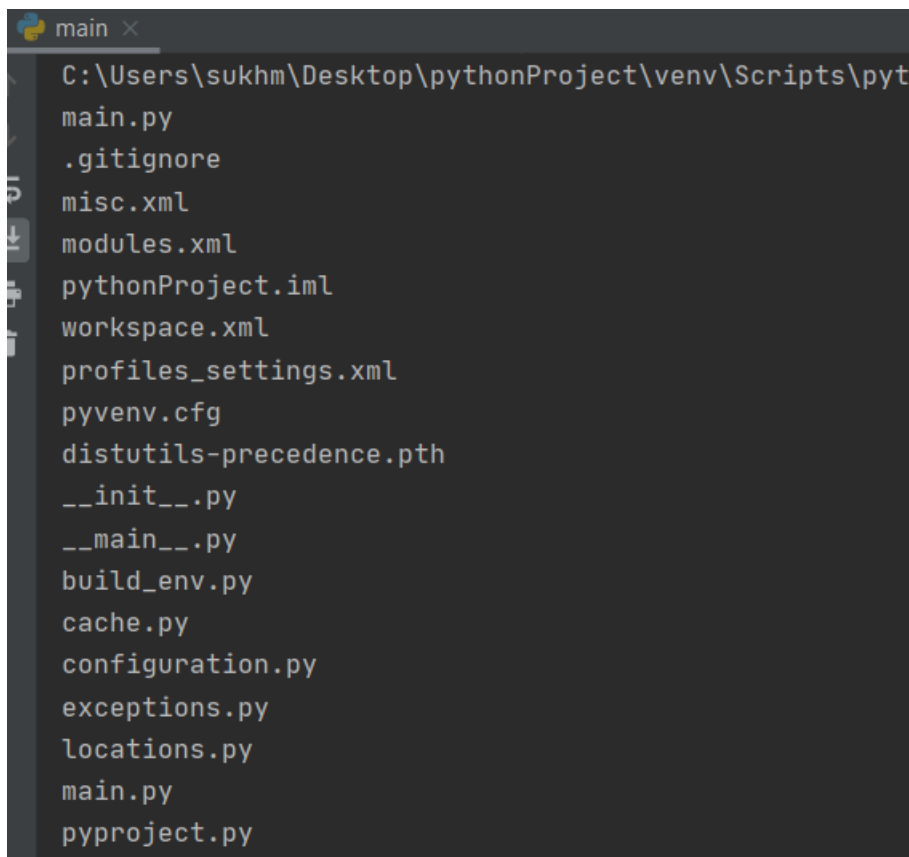


1) PYTHON SCRIPT TO LIST ALL THE FILES IN CURRENT DIRECTORY:

```
import os

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



2) PYTHON SCRIPT TO GET ALL THE DIRECTORY NAMES IN THE CURRENT DIRECTORY:

```
import os

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

```
main x
C:\Users\sukhm\Desktop\pythonProject\venv\Scripts
.idea
venv
inspectionProfiles
Include
Lib
Scripts
site-packages
pip
pip-21.0.1.dist-info
pkg_resources
setuptools
setuptools-54.0.0.dist-info
_distutils_hack
_internal
_vendor
__pycache__
cli
commands
```

### 3) PYTHON SCRIPT TO GET ALL THE DIRECTORY AND SUB DIRECTORY NAMES

:

```
import os

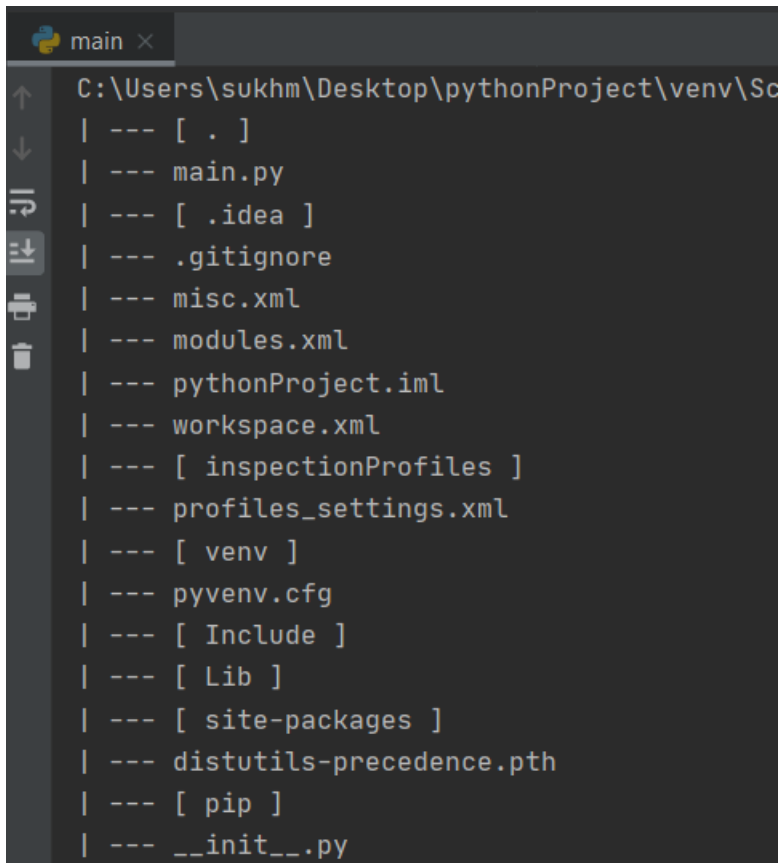
thing= [val for sublist in [[os.path.join(i[0], j) for j in i[2]] for
i in os.walk('./')]] for val in sublist]

for x in thing:
    print(x)
```

```
main x
C:\Users\sukhm\Desktop\pythonProject\venv\Scripts\python.exe
./main.py
./.idea\gitignore
./.idea\misc.xml
./.idea\modules.xml
./.idea\pythonProject.iml
./.idea\workspace.xml
./.idea\inspectionProfiles\profiles_settings.xml
./venv\pyvenv.cfg
./venv\Lib\site-packages\distutils-precedence.pth
./venv\Lib\site-packages\pip\__init__.py
./venv\Lib\site-packages\pip\__main__.py
./venv\Lib\site-packages\pip\_internal\build_env.py
./venv\Lib\site-packages\pip\_internal\cache.py
./venv\Lib\site-packages\pip\_internal\configuration.py
./venv\Lib\site-packages\pip\_internal\exceptions.py
./venv\Lib\site-packages\pip\_internal\locations.py
./venv\Lib\site-packages\pip\_internal\main.py
```

#### 4) PYTHON SCRIPT TO GET ALL THE FILENAME, DIRECTORY AND SUB DIRECTORY NAMES RECURSIVELY:

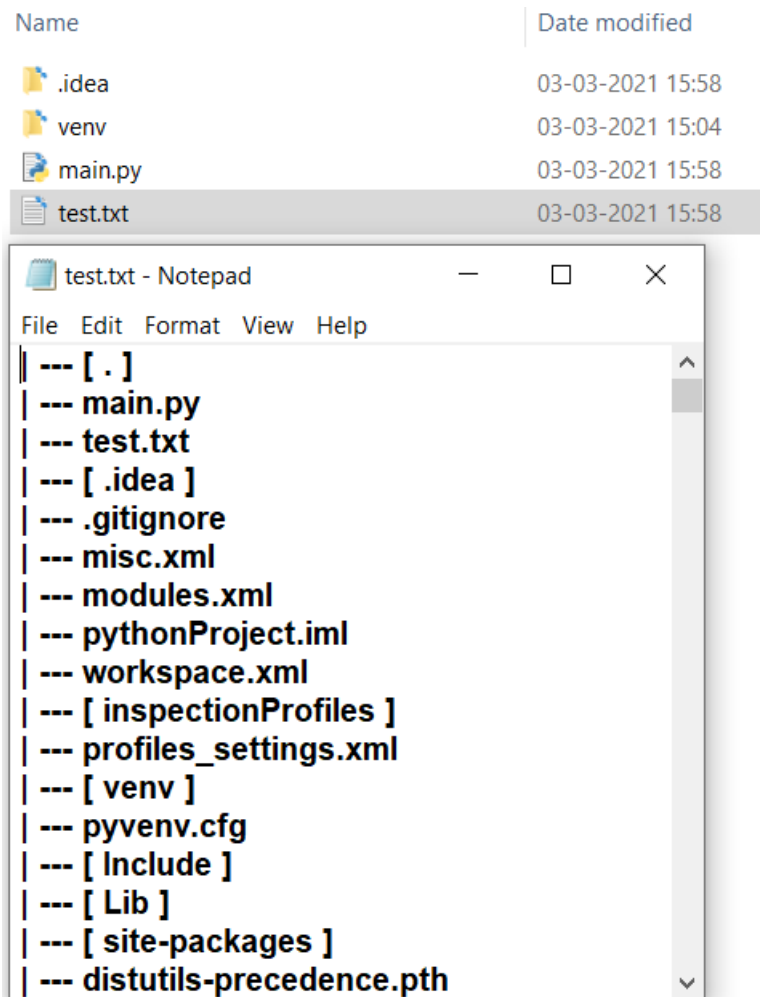
```
import os
for dirpath, dirs, files in os.walk("."):
    path = dirpath.split('/')
    print('|', (len(path))*'---', '['+os.path.basename(dirpath)+']')
    for f in files:
        print('|', len(path)*'---', f)
```



```
main x
C:\Users\sukhm\Desktop\pythonProject\venv\Sc
| --- [ . ]
| --- main.py
| --- [ .idea ]
| --- .gitignore
| --- misc.xml
| --- modules.xml
| --- pythonProject.iml
| --- workspace.xml
| --- [ inspectionProfiles ]
| --- profiles_settings.xml
| --- [ venv ]
| --- pyvenv.cfg
| --- [ Include ]
| --- [ Lib ]
| --- [ site-packages ]
| --- distutils-precedence.pth
| --- [ pip ]
| --- __init__.py
```

#### AND PRINT IT IN A TEXT FILE INSTEAD:

```
import os
import sys
sys.stdout = open("test.txt", "w")
for dirpath, dirs, files in os.walk("."):
    path = dirpath.split('/')
    print('|', (len(path))*'---', '['+os.path.basename(dirpath)+']')
    for f in files:
        print('|', len(path)*'---', f)
sys.stdout.close()
```











## 5) PYTHON SCRIPT TO CREATE FOUR NEW FILES IN THE DIRECTORY USING POWERSHELL

```
one = open("1.txt", "w")
two = open("2.txt", "w")
three = open("3.txt", "w")
four = open("4.txt", "w")
one.close()
two.close()
three.close()
four.close()
```

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

PS C:\Users\sukhm> cd Desktop
PS C:\Users\sukhm\Desktop> cd pythonProject
PS C:\Users\sukhm\Desktop\pythonProject> python main.py
PS C:\Users\sukhm\Desktop\pythonProject>
```

Name	Date modified
 .idea	03-03-2024
 venv	03-03-2024
 1.txt	03-03-2024
 2.txt	03-03-2024
 3.txt	03-03-2024
 4.txt	03-03-2024
 main.py	03-03-2024
 test.txt	03-03-2024