

Forum:[Hack Forums](#)

Thread: [Python Dict help.](#)

CodeAssassin - May 5, 2020, 7:14 am

Hello,

After a little help or understanding (granted this is day 2 of me learning python)

Problem.

I would like to do something simple... List files and folders in a (list or dict)

I would like it as shown in the tree below after searching.

```
Dir-
*Subfolder-
Files-
Files-
Dir-
*SubFolder-
  **File-
Dir-
*Subfolder
*Subfolder
```

Currently its Dir, sub, file (repeat).

I would like to know how to do this in the best way. I assumed a nested directory would be the one but really not sure how to achieve this. I will continue to learn on my own but any help would be greatly appreciated here.

Thank you

Code `#!/usr/bin/python`

```
import os
```

```
allfiles = []
dict = {}
Dirs = {}
Sub = {}
File = {}
```

```
print(dict)
```

```
def checkfiles():
    global allfiles
    root = os.path.expanduser("~")
```

```
root = os.path.join(root, "Documents")
print ("Root:", root)
```

```
for dirlist, subdirname, filelist in os.walk(root):
    allfiles.append(dirlist)
    for subs in subdirname:
        allfiles.append(subs)
    for files in filelist:
        allfiles.append(files)
```

```
list = checkfiles()
```

```
print("Dictionary: ", allfiles)
```

I know i need to make a Dict = {} and not [] (list)

I have removed the dict parts and left the working list for you to help me out a bit easier.

I'm just not sure how to add the right files or Subfolders to the right dict here.

Thank you in advance.

I think this may be what i want?:

<https://thispointer.com/python-how-to-get-list-of-files-in-directory-and-sub-directories/>

SIM-4378207 - May 5, 2020, 7:47 am

(May 5, 2020 07:14 AM)CodeAssassin Wrote: [\[CITE\]](#) I think this may be what i want?:

<https://thispointer.com/python-how-to-get-list-of-files-in-directory-and-sub-directories/>

Hey mate,

Isn't what you want achieved in the link you've posted? Or I have not understood the question?

CodeAssassin - May 5, 2020, 8:04 am

(May 5, 2020 07:47 AM)Wortox Wrote: [\[CITE\]](#) Hey mate,

Isn't what you want achieved in the link you've posted? Or I have to understood the question?

No your totally right I was way over complicating it...

This info helped me realise this:

https://www.bogotobogo.com/python/python_traversing_directory_tree_recursively_os_walk.php

Thank you still :)

SIM-4378207 - May 5, 2020, 8:51 am

(May 5, 2020 08:04 AM)CodeAssassin Wrote: [\[CITE\]](#) No your totally right I was way over complicating it...

This info helped me realise this:

https://www.bogotobogo.com/python/python_traversing_directory_tree_recursively_os_walk.php

Thank you still :)
Glad you figured it out.

Good luck mate, I am also studying Python. Currently making an email client as an uni project.

CodeAssassin - May 5, 2020, 11:58 am

(May 5, 2020 08:51 AM)Wortox Wrote: [\[CITE\]](#) Glad you figured it out.

Good luck mate, I am also studying Python. Currently making an email client as a uni project.
Hey man,

That's pretty cool, I would love to when you can (if you can) see the GitHub to help me see how apps in python are made. Else I wish you all the best with the project my friend :)

Thank you for the green to!!

SIM-4378207 - May 6, 2020, 4:16 am

(May 5, 2020 11:58 AM)CodeAssassin Wrote: [\[CITE\]](#) Hey man,

That's pretty cool, I would love to when you can (if you can) see the GitHub to help me see how apps in python are made. Else I wish you all the best with the project my friend :)

Thank you for the green to!!

Sure, will share once finished. It's pretty basic. I am using wxPython for GUI which is kinda ugly but our professor wants us to use it.