

## Forum:[Hack Forums](#)

Thread: [Quick python script to change all file names of an extension](#)

**Lukos1234** - August 24, 2017, 7:06 pm

```
import os
import random

os.getcwd()
```

```
extension = input("What's the extension of the file names you want to change ? \nexample : .mp4 or
.jpg \n")
for f in os.listdir():
    fname , fext = os.path.splitext(f)
    if fext==extension:
        fname = str(random.randint(1,1000000000))
        newname= "{}{}".format(fname,fext)
        os.rename(f,newname)
```

just learning guys ?

**Vana** - August 24, 2017, 7:58 pm

Use "php" or "code" tags to preserve indentation when posting code.

PHP Code

```
<?php
import os
import random

os.getcwd()
```

```
extension = input(
"What's the extension of the file names you want to change ? \nexample : .mp4 or .jpg \n")
for f in os.listdir():
    fname , fext = os.path.splitext(f)
    if fext==extension:
        fname = str(random.randint(1,1000000000))
        newname= "{}{}".format(fname,fext)
        os.rename(f,newname)
```

**Lukos1234** - August 24, 2017, 9:28 pm

Yea, actually forgot them but learned them from you in the first place , thanks

**vorticalbox** - August 25, 2017, 6:04 am

Because sod readability

PHP Code

```
<?php
#!/usr/bin/python3
import os
```

```
import random
```

```
extension = input(
    "What's the extension of the file names you want to change ? \nexample : .mp4 or .jpg \n")
[os.rename(f,str(random.randint(1,10**6))+os.path.splitext(f)[1]) for f in os.listdir() if os.path.splitext(f)
)[1] == extension]
```

**Ensky** - August 25, 2017, 6:45 am

You guys know he's trying to create some form of ransomware, right?

**vorticalbox** - August 25, 2017, 6:55 am

(Aug 25, 2017 06:45 AM)The KGB Wrote: [\[CITE\]](#) You guys know he's trying to create some form of ransomware, right?

I heard renaming files or removing their extension is a good ransomware.

Either way the script would be open for anyone to see.

**Lukos1234** - August 25, 2017, 11:26 pm

(Aug 25, 2017 06:45 AM)The KGB Wrote: [\[CITE\]](#) You guys know he's trying to create some form of ransomware, right?

Wuuuuut ? I'm a beginner man , didn't even think of it , but now that you say it ? ? ?

**emento** - August 26, 2017, 3:42 am

(Aug 25, 2017 06:04 AM)vorticalbox Wrote: [\[CITE\]](#) Because sod readability

PHP Code

```
<?php
```

```
#!/usr/bin/python3
```

```
import os
```

```
import random
```

```
extension = input(
    "What's the extension of the file names you want to change ? \nexample : .mp4 or .jpg \n")
[os.rename(f,str(random.randint(1,10**6))+os.path.splitext(f)[1]) for f in os.listdir() if os.path.splitext(f)
)[1] == extension]
```

This isn't good practice. The beauty of Python is in its readability, one liners are nice and all, but this isn't a good way to do things.

**vorticalbox** - August 26, 2017, 4:54 am

(Aug 26, 2017 03:42 AM)emento Wrote: [\[CITE\]](#) This isn't good practice. The beauty of Python is in its readability, one liners are nice and all, but this isn't a good way to do things.

I know I just let trying to one liner things

**nOrr** - August 26, 2017, 5:08 am

(Aug 25, 2017 06:04 AM)vorticalbox Wrote: [\[CITE\]](#) Because sod readability

PHP Code

```
<?php
```

```
#!/usr/bin/python3
```

```
import os
```

```
import random
```

```
extension = input(
```

```
"What's the extension of the file names you want to change ? \nexample : .mp4 or .jpg \n")
[os.rename(f,str(random.randint(1,10**6))+os.path.splitext(f)[1]) for f in os.listdir() if os.path.splitext(f)
)[1] == extension]
```

I just had involuntary nervous twitches.

**vorticalbox** - August 26, 2017, 5:51 am

(Aug 26, 2017 05:08 AM)nOrr Wrote: [\[CITE\]](#) I just had involuntary nervous twitches.  
Next time I'll add a trigger warning :P

**nOrr** - August 26, 2017, 9:45 am

(Aug 26, 2017 05:51 AM)vorticalbox Wrote: [\[CITE\]](#) Next time I'll add a trigger warning :P  
?

[warn]

**zer0dev** - August 27, 2017, 11:56 am

@Lukos123:

If you are interested in renaming files to random strings instead of numbers, you may use module 'strgen'

To generate 12 letter random string:

```
Code import strgen
strgen.StringGenerator('[1]{12}').render()
```

**NoAimNoGame** - August 28, 2017, 4:47 am

Nice Code man.

PHP Code

```
<?php
import os
Kys = input("What do you want to do? : ")
if Kys == 'kys':
    os.system('KYS!')
    print('No such command but you killed yourself anyway')
```

**Lukos1234** - August 30, 2017, 1:47 am

(Aug 27, 2017 11:56 AM)zer0dev Wrote: [\[CITE\]](#) @Lukos123:

If you are interested in renaming files to random strings instead of numbers, you may use module 'strgen'

To generate 12 letter random string:

```
Code import strgen
strgen.StringGenerator('[1]{12}').render()
thanks a lot ?
```

**(?°?)?( ???? - August 30, 2017, 9:00 am**

(Aug 27, 2017 11:56 AM)zer0dev Wrote: [\[CITE\]](#) @Lukos123:

If you are interested in renaming files to random strings instead of numbers, you may use module 'strgen'

To generate 12 letter random string:

```
Code import strgen
strgen.StringGenerator('[1]{12}').render()
```

A little overkill requiring a 3rd party library just for generating a string.

**Cammy** - August 30, 2017, 10:33 am

(Aug 27, 2017 11:56 AM)zer0dev Wrote: [\[CITE\]](#) @Lukos123:

If you are interested in renaming files to random strings instead of numbers, you may use module 'strgen'

To generate 12 letter random string:

```
Code import strgen
strgen.StringGenerator('[1]{12}').render()
```

Can't you just make an array from a bunch of characters and shuffle it, joining each item to a string afterwards?

(?°?)?( ???? - August 30, 2017, 10:40 am

(Aug 30, 2017 10:33 AM)Cammy Wrote: [\[CITE\]](#) Can't you just make an array from a bunch of characters and shuffle it, joining each item to a string afterwards?  
Yeah, that'd be the better way.

```
Code import string
import random
```

```
print(''.join(random.sample(string.ascii_letters, 5)))
```

**Cammy** - August 30, 2017, 11:13 am

(Aug 30, 2017 10:40 AM)(?°?)?( ???? Wrote: [\[CITE\]](#) Yeah, that'd be the better way.

```
Code import string
import random
```

```
print(''.join(random.sample(string.ascii_letters, 5)))
```

Damn I didn't even know about the string constants  
Learn something new everyday, thanks

**vorticalbox** - August 30, 2017, 11:28 am

(Aug 30, 2017 10:40 AM)(?°?)?( ???? Wrote: [\[CITE\]](#) Yeah, that'd be the better way.

```
Code import string
import random
```

```
print(''.join(random.sample(string.ascii_letters, 5)))
```

What if you wanted letters and numbers? I don't see any in string module for it.

**Cammy** - August 30, 2017, 11:31 am

(Aug 30, 2017 11:28 AM)vorticalbox Wrote: [\[CITE\]](#) What if you wanted letters and numbers? I don't see any in string module for it.

Something like this?

PHP Code

```
<?php
import string, random

string = list(''.join(random.sample(string.ascii_letters, 10) + random.sample(string.digits, 10)))
random.shuffle(string)
print(''.join(string))
```

Output:

Code 3ty2sV95L410S6nY87BR

(???)?(???? - August 30, 2017, 12:06 pm

(Aug 30, 2017 11:28 AM)vorticalbox Wrote: [\[CITE\]](#) What if you wanted letters and numbers? I don't see any in string module for it.

(Aug 30, 2017 11:31 AM)Cammy Wrote: [\[CITE\]](#) Something like this?

PHP Code

```
<?php
import string, random

string = list(''.join(random.sample(string.ascii_letters, 10) + random.sample(string.digits, 10)))
random.shuffle(string)
print(''.join(string))
```

Output:

Code 3ty2sV95L410S6nY87BR

Code import string

import random

```
print(''.join(random.sample(string.ascii_letters + string.digits, 5)))
```

vorticalbox - August 31, 2017, 2:21 am

(Aug 30, 2017 11:31 AM)Cammy Wrote: [\[CITE\]](#) Something like this?

PHP Code

```
<?php
import string, random

string = list(''.join(random.sample(string.ascii_letters, 10) + random.sample(string.digits, 10)))
random.shuffle(string)
print(''.join(string))
```

Output:

Code 3ty2sV95L410S6nY87BR

Worked on this last night and you can just pass a list

PHP Code

```
<?php
MyList = 'abcdefghijklmnopqrstuvwxyz0123456789'
```

```
Print ('.join(random.sample(MyList,10)))
```