

# Forum:[Hack Forums](#)

Thread: [Python shuffle list](#)

**3yZtwglFSCUs** - March 19, 2016, 5:51 pm

i need to randomly shuffle positioning of User-Agent,Cache-Control, Accept-Charset, Referer and keep alive but how? help python pro

```
def httpcall(url):
code = 0
try:
requests.get(
url,
params={buildblock(): buildblock()},
headers={
'User-Agent': choice(useragents),
'Cache-Control': choice(['no-cache', 'max-age=0']),
'Accept-Charset': 'ISO-8859-1,UTF-8;q=0.7,*;q=0.7',
'Referer': get_referer() + buildblock(),
'Keep-Alive': randint(110, 120)}
)
```

**movsx** - March 19, 2016, 9:46 pm

You can't shuffle a dictionary in python

**EwilDave** - March 20, 2016, 7:27 am

What do you mean shuffling the User-Agent, Cache-Control, Accept-Charset, etc...

Changing the order in a dictionary does not make a difference. I'll give you an example

PHP Code

```
<?php
firstDict= {"User": "Ewil", "Pass": "FooBar"}
secondDict = {"Pass": "Foobar", "User": "Ewil"}
print(firstDict == secondDict) #True
```

The order of the key-value pairs in a dictionary won't make a difference to the dictionary itself.

**Goodies** - March 20, 2016, 11:28 am

Dictionaries are unrecorded containers in Python. This means that there is no way to change the ordering manually. There is a container in the collections module called OrderedDict, but that may not be a solution. You could, for example, do something like this

PHP Code

```
<?php
from random import choice, randint, shuffle
from collections import OrderedDict
```

```
data = {
```

```

'User-Agent': choice(["user-agent1", "user-agent2"]),
'Cache-Control': choice(['no-cache', 'max-age=0']),
'Accept-Charset': 'ISO-8859-1,UTF-8;q=0.7,*;q=0.7',
'Referer': "foobar",
'Keep-Alive': randint(110, 120)
}
print(data)
l = list(data.items())
shuffle(l)
od = OrderedDict(l)
print(od)

```

This prints

PHP Code

```
<?php
```

```

{'Referer': 'foobar', 'Keep-Alive': 118, 'Cache-Control': 'max-age=0', 'User-Agent': 'user-agent2',
'Accept-Charset': 'ISO-8859-1,UTF-8;q=0.7,*;q=0.7'}
OrderedDict([('Cache-Control', 'max-age=0'), ('Accept-Charset', 'ISO-8859-1,UTF-8;q=0.7,*;q=0.7'), (
'User-Agent', 'user-agent2'), ('Referer', 'foobar'), ('Keep-Alive', 118)])

```

Which is good... However, requests may not iterate through the ordered dict correctly in a way that preserves this order. This is an active issue: <https://github.com/kennethreitz/requests/issues/3038>

**EwilDave** - March 20, 2016, 12:01 pm

(Mar 20, 2016 11:28 AM)Goodies Wrote: [\[CITE\]](#) PHP Code

```
<?php
```

```

from random import choice, randint, shuffle
from collections import OrderedDict

```

```

data = {
'User-Agent': choice(["user-agent1", "user-agent2"]),
'Cache-Control': choice(['no-cache', 'max-age=0']),
'Accept-Charset': 'ISO-8859-1,UTF-8;q=0.7,*;q=0.7',
'Referer': "foobar",
'Keep-Alive': randint(110, 120)
}
print(data)
l = list(data.items())
shuffle(l)
od = OrderedDict(l)
print(od)

```

Thumbs up to Goodies for coming up with a solution rather than my feeble statement saying it was not possible.

Nothing is impossible, the word itself says 'I'm possible'!

- Audrey Hepburn

**Goodies** - March 20, 2016, 3:10 pm

(Mar 20, 2016 12:01 PM)EwilDave Wrote: [\[CITE\]](#) Thumbs up to Goodies for coming up with a solution rather than my feeble statement saying it was not possible.

Nothing is impossible, the word itself says 'I'm possible'!

- Audrey Hepburn

I'm honestly not sure if it is a solution :/ first if all, it's VERY slow to have to turn a dict to a list of tuples, then shuffling is pretty fast, but then turning it back into an OrderedDict O.o

For this situation, though, it's plenty fast. But secondly, I'm honestly not sure if it even works. I'll test it out when I get home and I'll report back.