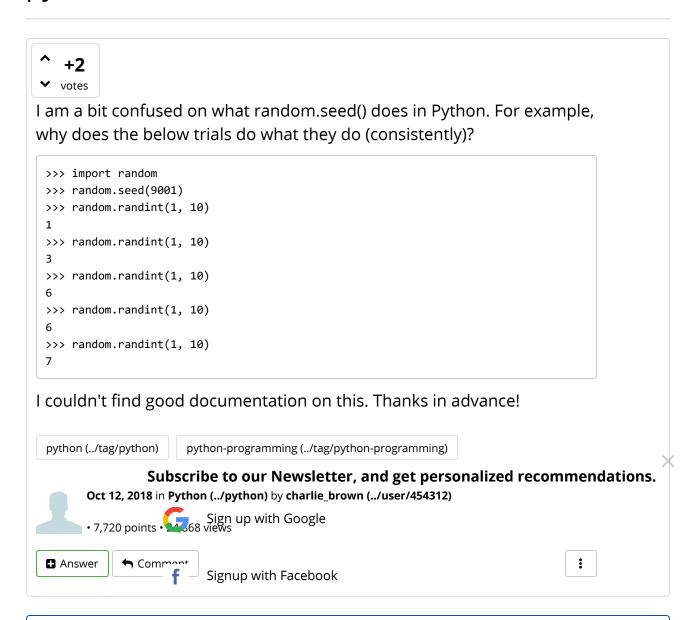
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What exactly is the function of random.seed() in python?



6 answers to this question.



Pseudo-random number generators work by performing some operation on a value. Generally this value is the previous number generated by the generator. However, the first time you use the generator, there is no previous value.

Seeding a pseudo-random number generator gives it its first "previous" value. Each seed value will correspond to a sequence of generated values for a given random number generator. That is, if you provide the same seed twice, you get the same sequence of numbers twice.

Generally, you want to seed your random number generator with some value that will change each execution of the program. For instance, the current time is a frequently-used seed. The reason why this doesn't happen automatically is so that if you want, you can provide a specific seed to get a known sequence of numbers.



answered (../25335/what-exactly-is-the-function-of-random-seed-in-python?show=25338#a25338) **Oct 12, 2018** by **ariaholic (../user/384562)**

• 7,340 points



:



The seed method is used to initialize the pseudorandom number generator in Python.

The random module uses the seed value as a base to generate a random number. if seed value is not present it takes system current subscribe to our Newsletter, and get personalized recommendations. time. if you provide same seed value before generating random data it progluce in sagne data. refer https://pynative.com/python-random-seed/
(https://pynative.com/python-random-seed/) for more details Signup with Facebook

Example:

```
import random

random.seed( 30 )
print ("first number - ", random.randint(25,50))

random.seed( 30 )
print ("Second number- ", random.randint(25,50))

Output:

first number - 42
Second number - 42
```



answered (../25335/what-exactly-is-the-function-of-random-seed-in-python?show=29174#a29174) **Oct 29, 2018** by Rahul

← Comment

:

Hey @Rahul.. I get the same output when I run your code from a file but when I run the same code in the python console, I get different output. Can you please tell me why is that so?

```
Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 17:00:18) [MSC v.1900 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license" for more information.
>>> import random
>>> random.seed(30)
>>> print ("first number- ", random.randint(25,50))
first number- 42
>>> print ("second number- ", random.randint(25,50))
second number- 50
>>>
```



 $commented (.../25335/what-exactly-is-the-function-of-random-seed-in-python? show = 29249 \# c 29249) \ Oct \ 29, \ 2018 \ by \ Kumar$

:

@kumar,

You need to run random.seed(30) again to set the seed back to its previous value. Generally, the see d is the previous value generated by the generator. So, when you ran random.randint(25,50) second time, your seed was 42 and not 30.

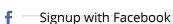
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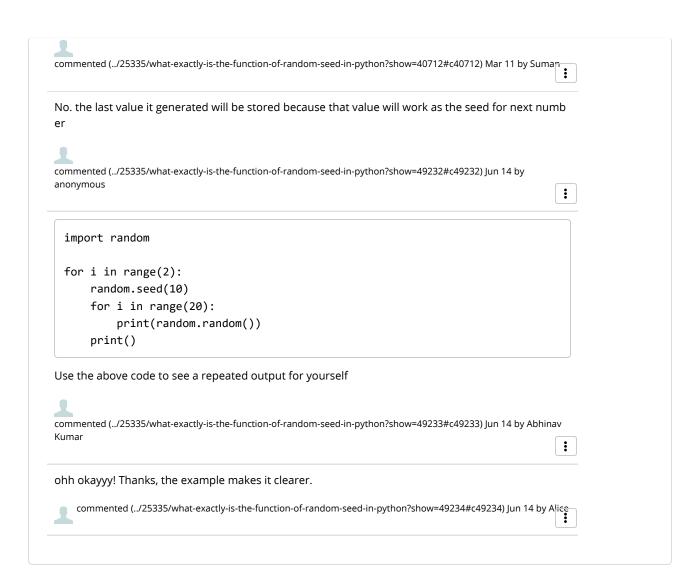
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commented (../25335/what-exactly-is-the-function-of-random-seed-in-python?show=40640#c40640) Mar 10 by **Rishabh** (../user/573809)



Suppose I generate 10 values, will all these values be stored? If yes, where are these values stored? T hanks





We dont really know



answered (../25335/what-exactly-is-the-function-of-random-seed-in-python?show=41348#a41348) **Mar 15** by anonymous

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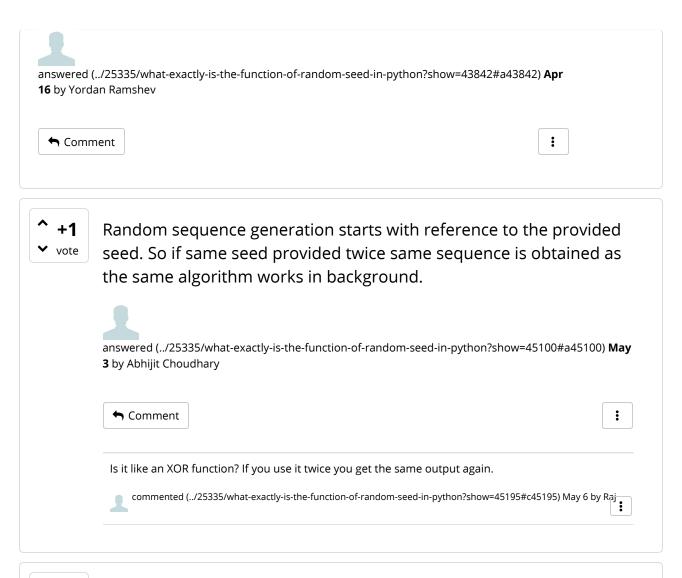


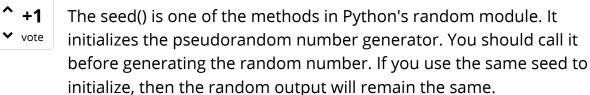
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Check this link, but basically the seed is a reference to your random numbe f nd \text{\text{when y to U \text{-call} \text{4.0}}} t will generate the same random number

https://pynative.com/pythbeadhateam-seed/)
(https://pynative.com/python-random-seed/)





To know the detail, you may refer: Python Random Seed (https://www.techbeamers.com/random-seed-python/)

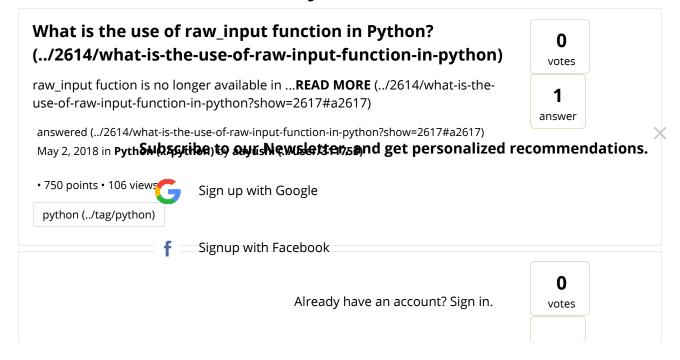
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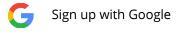
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