

What is *random.seed()* function in NumPy?

When we want to print array of random numbers, we use *random.randint()* function

```
#%%  
import numpy as np  
arr=np.random.randint(100,size=(3,3))  
print (arr)
```

The output will change every time that run cell

```
Python 3.8.8 (default, Apr 13 2021, 15:08:03) [MSC v.1916 64 bit (AMD64)]  
Type "copyright", "credits" or "license" for more information.
```

```
IPython 7.22.0 -- An enhanced Interactive Python.
```

```
In [1]: runcell(14, 'E:/Stady/Sections/CV/temp.py')
```

```
In [2]: runcell(14, 'E:/Stady/Sections/CV/temp.py')
```

```
[[26 53 45]  
 [98  7 50]  
 [84 88 81]]
```

```
In [3]: runcell(14, 'E:/Stady/Sections/CV/temp.py')
```

```
[[19  5 98]  
 [ 4 67 46]  
 [80 70 44]]
```

```
In [4]: runcell(14, 'E:/Stady/Sections/CV/temp.py')
```

```
[[40 84 94]  
 [68 68 54]  
 [54 33 68]]
```

```
In [5]: runcell(14, 'E:/Stady/Sections/CV/temp.py')
```

```
[[44 45 81]  
 [82 83 17]  
 [94 46 15]]
```

```
In [6]:
```

Seed function is used to stop this change

```
#%%  
import numpy as np  
np.random.seed(2)  
arr=np.random.randint(100,size=(3,3))  
print (arr)
```

Every time you run code, output will not be changed.

```
In [6]: runcell(14, 'E:/Stady/Sections/CV/temp.py')  
[[40 15 72]  
 [22 43 82]  
 [75  7 34]]  
  
In [7]: runcell(14, 'E:/Stady/Sections/CV/temp.py')  
[[40 15 72]  
 [22 43 82]  
 [75  7 34]]  
  
In [8]: runcell(14, 'E:/Stady/Sections/CV/temp.py')  
[[40 15 72]  
 [22 43 82]  
 [75  7 34]]  
  
In [9]: runcell(14, 'E:/Stady/Sections/CV/temp.py')  
[[40 15 72]  
 [22 43 82]  
 [75  7 34]]  
  
In [10]:
```