In [3]:
```
import random as rd
# random.randint(start, stop)
num=rd.randint(0,10)
num
```

Out[3]: 1

In [10]:
```
# random.randrange(start, stop, step)
num=rd.randrange(0,10)
num
```

Out[10]: 5

In [12]:
```
# his method changes the original list, it does not return a new list.
lst=["muskan","shiva","ritika"]
rd.shuffle(lst)
lst
```

Out[12]: ['shiva', 'muskan', 'ritika']

In [17]:
```
#print a random number:
print(rd.random())

#capture the state:
state = rd.getstate()

#print another random number:
print(rd.random())

#restore the state:
rd.setstate(state)

#and the next random number should be the same as when you captured the state:
print(rd.random())
rd.setstate(state)
print(rd.random())
```

```
0.6404895632887001
0.11773626029566331
0.11773626029566331
0.11773626029566331
```

In [21]:
```
rd.seed(2)
print(rd.random())
```

```
0.9560342718892494
```

In [22]:
```
print(rd.random())
print(rd.random())
print(rd.random())
```

```
0.9478274870593494
0.05655136772680869
0.08487199515892163
```

In [23]:
```
print(rd.choice(lst))
```

```
shiva
```

In [27]:
```
print(rd.choices(lst,weights=[4,0,0],k=5))
```

```
['shiva', 'shiva', 'shiva', 'shiva', 'shiva']
```

In [28]:
```
print(rd.random())
```

```
0.5441770474293208
```

In [ ]:
```

```