

```

1  import random
2
3
4  # ----- bytes methods -----
5  b = random.randbytes(5)
6  print(b, type(b))
7  # b'\x82\x05\xe9' <class 'bytes'>
8
9  # ----- integer methods -----
10 i = random.randrange(3) # 不含端点
11 print(f"{i=}, {type(i)=}")
12 # i=0, type(i)=<class 'int'>
13 # random.randrange(start, stop[, step])
14
15 i1 = random.randint(-1, 1) # 含端点
16 print(f"{i1=}, {type(i1)=}")
17 # i1=3, type(i1)=<class 'int'>
18
19 # ----- sequence methods -----
20 s = random.choice([1, "2", 3, 4, 5])
21 print(f"{s=}, {type(s)=}")
22 # s='2', type(s)=<class 'str'>
23
24 l1 = [1, "2", 3, 4, 5]
25 random.shuffle(l1)
26 print(l1)
27 # ['2', 1, 5, 3, 4]
28
29 l2 = random.sample(['red', 'blue'], counts=[4, 2], k=5)
30 print(l2)
31
32 s1 = random.choices([1, "2", 3, 4, 5], k=2)
33 print(f"{s1=}, {type(s1)=}")
34 # s1=['2', 1], type(s1)=<class 'list'>
35
36 # ----- real-valued distributions -----
37 # random.uniform(a, b)
38 # random.random()

```