## **RANDOM**

- random: Module requires importing (default package)
- · Generates random values

' 🗌 '

```
In [89]:
import random as rd
from random import *
In [88]:
rd.random()
rd.randint(10, 20)
rd.randrange(10, 100, 10)
Out[88]:
50
In [95]:
random()
randint(10, 20)
Out[95]:
14
In [104]:
[rd.randint(50, 100)]*8
Out[104]:
[96, 96, 96, 96, 96, 96, 96]
In [111]:
rd.uniform(2, 3)
Out[111]:
2.7206053176743117
In [126]:
animals = ["\N{cat}", "\N{dog}", "\N{snake}", "\N{horse}"]
type (animals)
rd.shuffle(animals)
animals[0]
Out[126]:
```

```
In [130]:
heroes = ["Batman", "Spiderman", "Ironman", "Captain America"]
villains = ["Joker", "Venom", "Thanos", "Red Skull"]
numbers = list(range(len(heroes)))
numbers
rd.shuffle(heroes); rd.shuffle(villains)
for i in numbers:
   print(heroes[i], "VS", villains[i])
Captain America VS Thanos
Ironman VS Venom
Batman VS Red Skull
Spiderman VS Joker
In [133]:
menu = ["noodles", "cashew with tofu", "coconut rice"]
rd.choice (menu)
Out[133]:
'noodles'
In [146]:
# probabilities = [0.25]*4
probabilities = [0.9, 0.01, 0.01, 0.08]
students = ["Gracie", "Callum", "Blaise", "Tommy"]
rd.choices(students, probabilities, k = 10)
Out[146]:
['Gracie',
 'Gracie',
 'Gracie',
 'Gracie',
 'Gracie',
 'Gracie',
 'Gracie',
 'Gracie',
 'Tommy',
 'Gracie']
In [156]:
len(rd.sample(range(1, 101), k=100))
Out[156]:
100
```