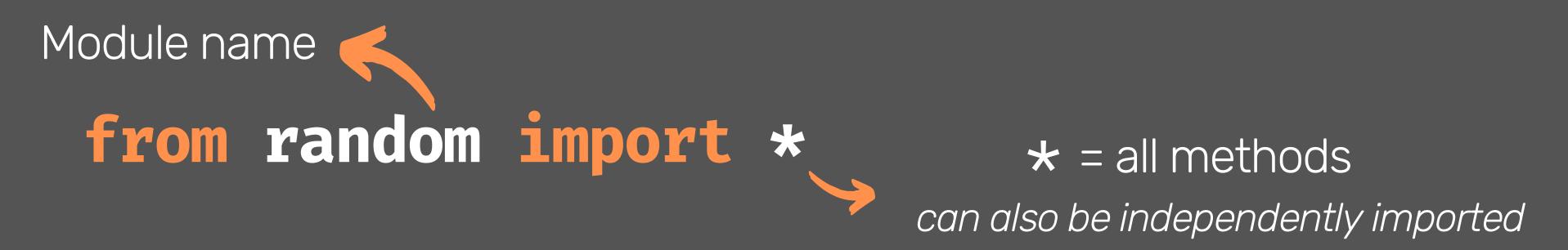# random

Python provides us with a module (a set of functions available for use) that allows us to generate pseudo-random* selections from values or sequences.

Module name

```
from random import *
```

* = all methods
can also be independently imported

randint(*min, max*): returns an integer between two given values (both limits included)

uniform(*min, max*): returns a float between a minimum and maximum value

random(): returns a float between 0 and 1

choice(sequence): returns a random element from a sequence of values (lists, tuples, ranges, etc.)

shuffle(*sequence*): takes a mutable sequence of values (like a list), and returns it by randomly changing the order of its elements.

The mechanics in how these random values are generated is actually predefined in "seeds". While it serves most common uses, it should not be used for security or cryptographic purposes as they can be vulnerable.