<u>Random Integers in Python</u>

- <u>*def:*</u> an **integer** is a whole number (i.e., without a decimal). This is also called an `int` in Python.

<u>e.g.</u>

25   **25.0**   **3.2**   **4**

- <u>*fact:*</u> random integers are requested of Python using the `randint` instruction.

Grammar and Meaning of randint

e.g. `n = randint (1,10)`

Q: What's the grammar of `randint`?

A: It requires two integers in the parentheses, a lower limit and an upper limit.

Q: What's the meaning of `randint`?

A: It requests from Python a random integer between the two limits.

Q: What else is important to remember about `randint`?

A:

- The instruction must be imported into your project with this code:

  `from random import randint`

- The integer produced by `randint` is usually saved in a variable

e.g.

```
from random import randint
die1 = randint (1,6)
die2 = randint (1,6)
dice = die1 + die2
print ("You rolled a", die1)
print ("and a", die2)
print ("for a total of", dice)
```