

CMPSC 100 SPRING 2021

Modules



COURSE INFORMATION

- Grades – incoming.
 - Probably Wednesday.
 - Underpromise, over-deliver.
- As posted to #general, assignment and quiz are posted.
 - Much excite.
- This week's assignments includes another of the type that we introduced last week.



your_file.py



```
01010101010100
10101010100010
00100101001010
01010101010100
```



Ulysses

(who has nothing to
do with this process)

Doing this gives us “base” Python,
but sometimes we need a bit more

Here we use “modules,” which are
extra bits of functionality that
we don’t need all the time

import keyword



import random



module name

We're using `random` and `json` today,
each of which have their own set of methods.

Let's look at two from `random`:

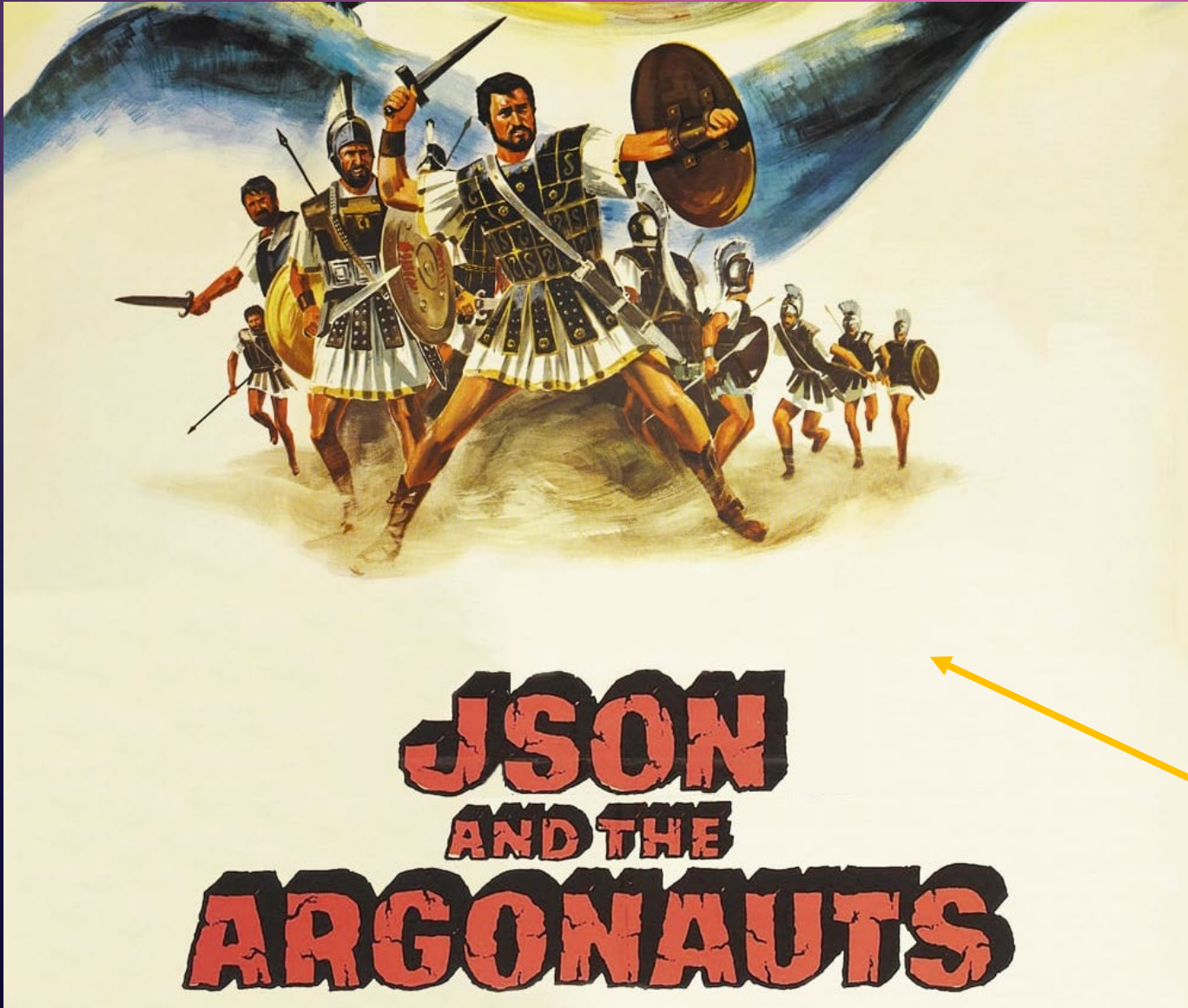
```
.choice()  
.randint()
```

`.choice()`

- requires one argument: a sequence or `list`
- chooses one random item from the argument provided

`.randint()`

- requires one argument, `int` limit
- often used with two arguments referred to as its `range`



JavaScript
Object
Notation

Because I took the time
to make a programming
meme you get to see it
a bunch

Name _____

In the space provided,
draw the coolest cloud
you've ever seen.

May we contact you about
home furnishings? YES / NO

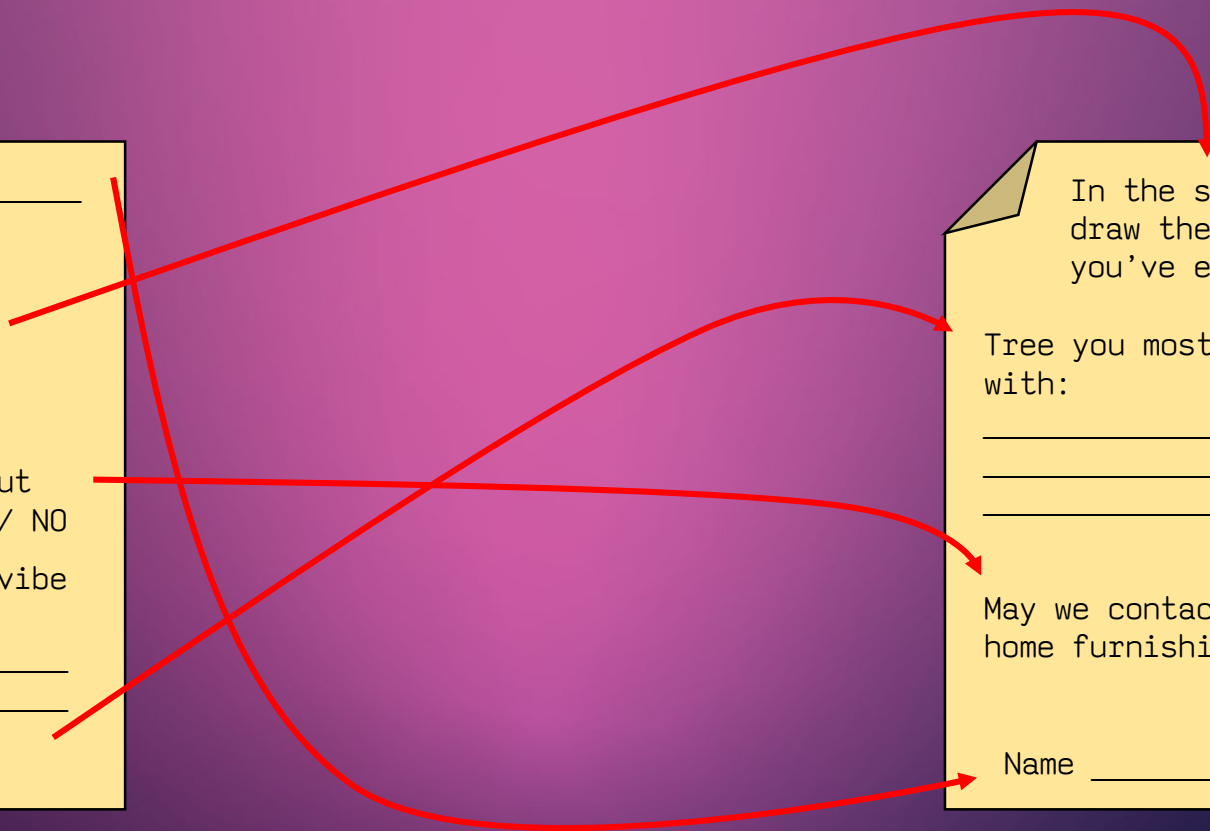
Tree you most clearly vibe
with:

In the space provided,
draw the coolest cloud
you've ever seen.

Tree you most clearly vibe
with:

May we contact you about
home furnishings? YES / NO

Name _____



WHAT IS THE JSON PERSON

```
{
  "description" : "A list of words completing 'They were feeling...'.",
  "moods" :
  [
    "abandoned",
    "absent minded",
    "abused",
    "accepted",
    "accomplished",
    "accusatory"
  ]
}
```

```
import json
```

```
json.load()
```

loads from a **file**



```
json.loads()
```

loads from a **string**



Often used with
things called
“API”s

