# SI 506: Programming I Winter 2022

Lecture 05

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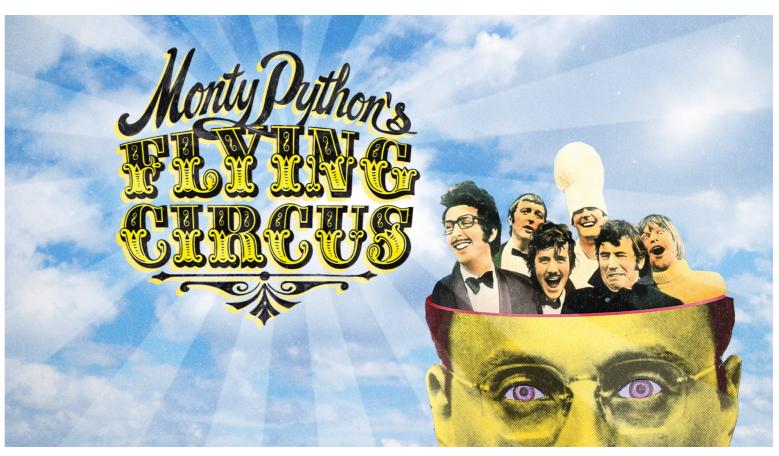




#### Whence the name Python?

a snake or ...?









#### And now for a bit of history

Monty Python's Flying Circus: Spam Sketch (1970)



https://vimeo.com/329001211





### Lecture Theme: Spam I don't like Spam



#### Six Simple Ingredients

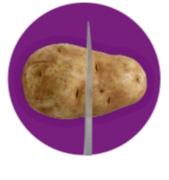
Ah, the age-old question; what is the meat in that special can of SPAM® Classic? Many myths abound, but the answer is actually quite simple.





**SALT** 









WATER POTATO STARCH

SUGAR SODIUM NITRITE

UMSI



# slicing





```
(start at index x)
                   inclusive
# Slice
new_seq = seq[x:y]
                      exclusive
                  (end at index y - I)
```





```
(start at index position)
                    inclusive
# Slice
new_seq = seq[x:]
                      inclusive
              (end at last index position)
```





```
(start at index 0)
                   inclusive
# Slice
new_seq = seq[:y]
                     exclusive
                (end at index y - I)
```





```
(start at index -x)
                     inclusive
# Slice
new_seq = seq[-x:]
                        inclusive
                (end at last index position)
```





### Seq: slicing syntax (negative)

```
(start at index -x)
                    inclusive
# Slice
new_seq = seq[-x:-y]
                         exclusive
                    (end at index -y - I)
```





### finis





#### Slide deck revisions

errata: corrections and other changes

Slide no(s). Fix ver. Description
v1p1



