CSE 20 11-11-21

Supplemental lecture

Variations on import statement

- import math

```
x = math.sqrt(10)
```

- from math import sqrt

```
x = sqrt(10)
```

- from math import sqrt as s

```
x = s(10)
```

- import math as m

```
x = m.sqrt(10)
```

- from math import * # everything.

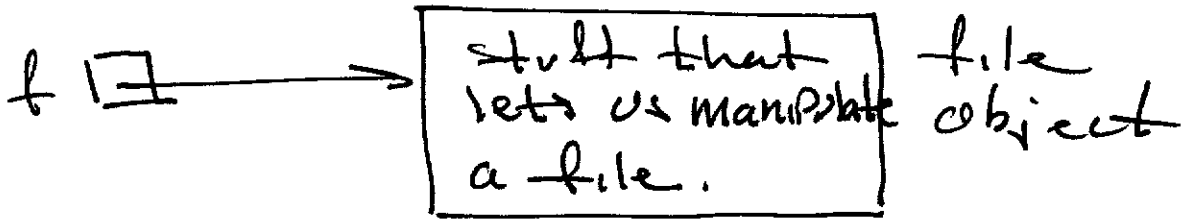
```
x = sqrt(10)
y = sin(10)
```

chap 14 : files

Ex. File1.py # user readline()

open() returns a file object

f = open('some name', 'r')
string.



Ex. File2.py

user readlines()

Ex File3.py

Uses read()
reads entire file as one string

Ex. File4.py

Can called filter() that deletes all lines beginning with '#', i.e. comments.

Ex. Files.py

Illustrates how to handle exceptions.

```
try :

except :
```

General form

```
try:
    something that could go wrong
except someError as e1:
    handle e1 somehow
except otherError as e2:
    handle e2 somehow
except anotherError as e3:
    handle e3
    :
except:  # catch any error
    handle generic error
finally:
    do this whether or not try succeeded.
# end.
```

Ex. web.py

Goes to url, reads in a webpage as a byte stream, converts stream of bytes to a string, then prints out html code to terminal.