CPE/CSC 101	
Recommend	a
song or	album.

Today

· Python "program" · Comments on Style

· Informal

Thoughts on Computational Cost

· Repeated Calculations

· Additional

(in chat, at any time) Functions casting\_test

image ppm

width

header

P3 wid7h height 255

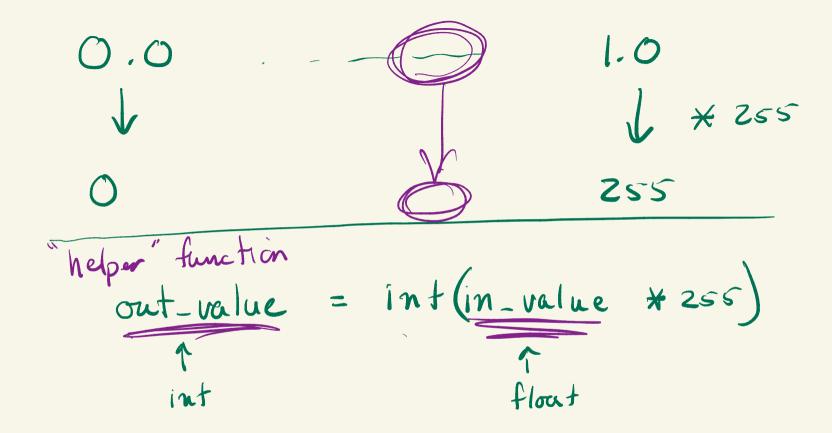
height

pixel

color

values

```
red = 0
                              Cast_all_rays
  green = 255
   blue = 21
   print (red, green, blue)
                    green = 1.0
blue = 0.09
                  print (convert (red), ---
                             float
     0 -> 255
                             0.0 -> 1.0
ppm format (external)
                             (internal)
```



## Casting - test. pg

import def main (): # set up scene # eye, spheres cast. cast-all\_rays(

if \_\_name\_\_ == '\_\_main\_\_':
main()

python3 costing test. By

class Point: def \_\_init\_\_(self, x: float, y: float): list[3]. values[2][0].x self.x = xself.v = vPoint class Example: ind ow access def \_\_init\_\_(self, values: List[Tuple[Point, float]]): self.values = values affin bute into in object list list : List[Example] = ... L=[4,9] L, 2.7), (