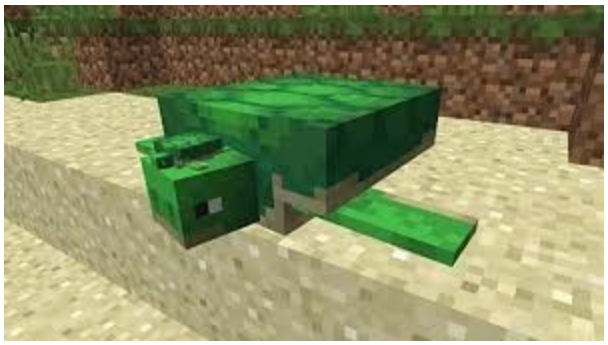
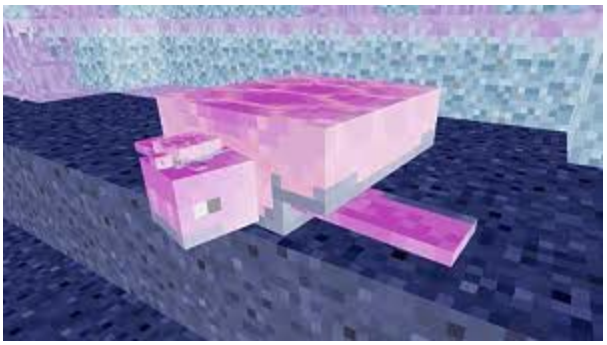
LAB 6: Cassandra Cabrera and Mike Menendez **Due:** Feb.12, 2020

Summary: For this lab, we really were able to utilize the stuff we learned in class for negating an image and applying a filter to one. I used stuff from class like minusing the value from 255 to create the opposite color. When I negated the negated version of my picture the original was created. This makes sense because we are just minusing the value from 255 and hence will end up at our original value. While doing task2, I cut the green and blue values down by half which created this red sunset shade over my turtle. We went above and beyond by asking the user for image path input and using ImageOps (a part of the Pillow package).

Task1:

```
from PIL import Image, ImageOps


print("Enter image path:")

im = Image.open(input().strip())

print("negating image...")

inv1 = ImageOps.invert(im)

inv1.show()

print("double negation...")

inv2 = ImageOps.invert(inv1)

inv2.show()
```





Task2:

```
from PIL import Image

print("Enter image path:")

im = Image.open(input().strip())

print("creating a sunset...")

new_list = map(lambda a : (int(a[0]), int(a[1]*0.5), int(a[2]*0.5)), im.getdata())

im.putdata(list(new_list))

im.show()
```