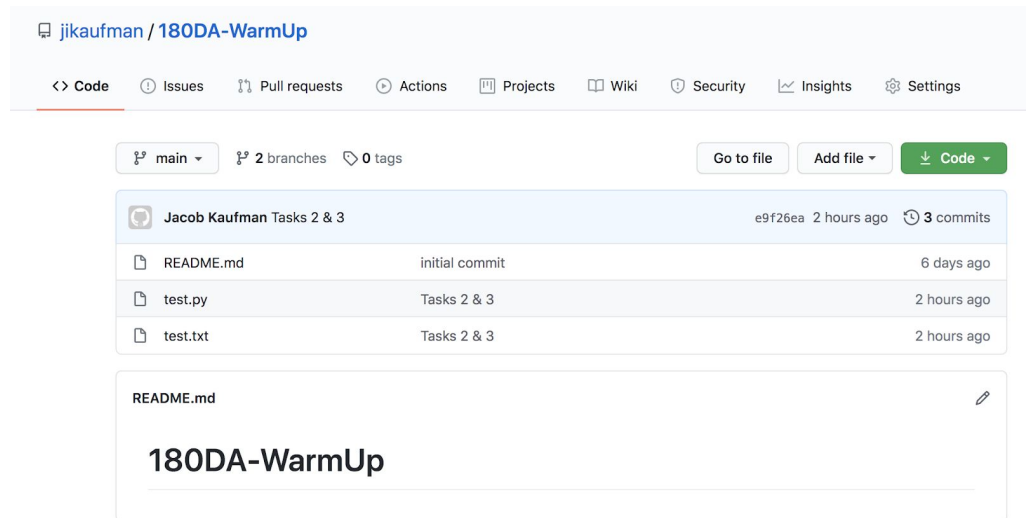
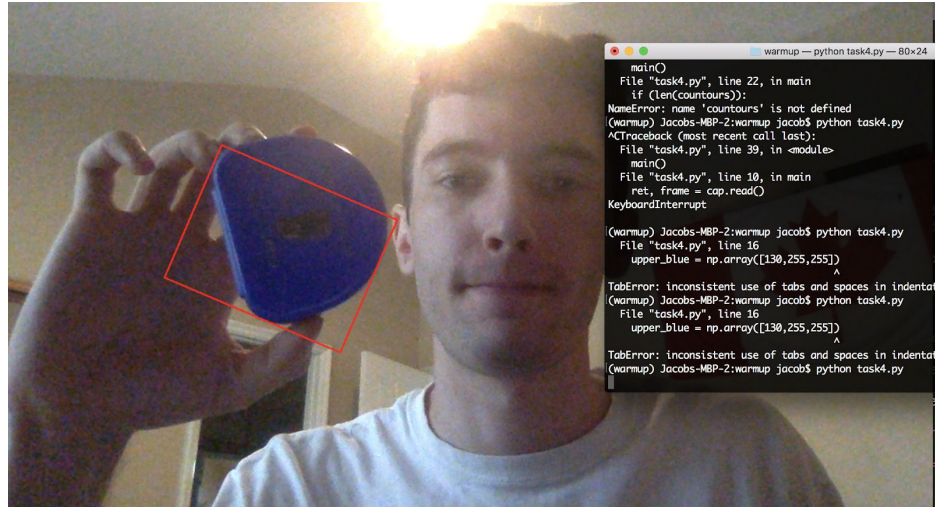


1. What did you plan to do last week?
 - Planned to get a group consolidated, and order all necessary materials for the course
2. What did you end up doing last week?
 - Ordered all necessary materials for the course
 - Got a group of 4 together
 - Completed the tutorial:
 - Task 1:
 - i. Set up github repo: <https://github.com/jikaufman/180DA-WarmUp>



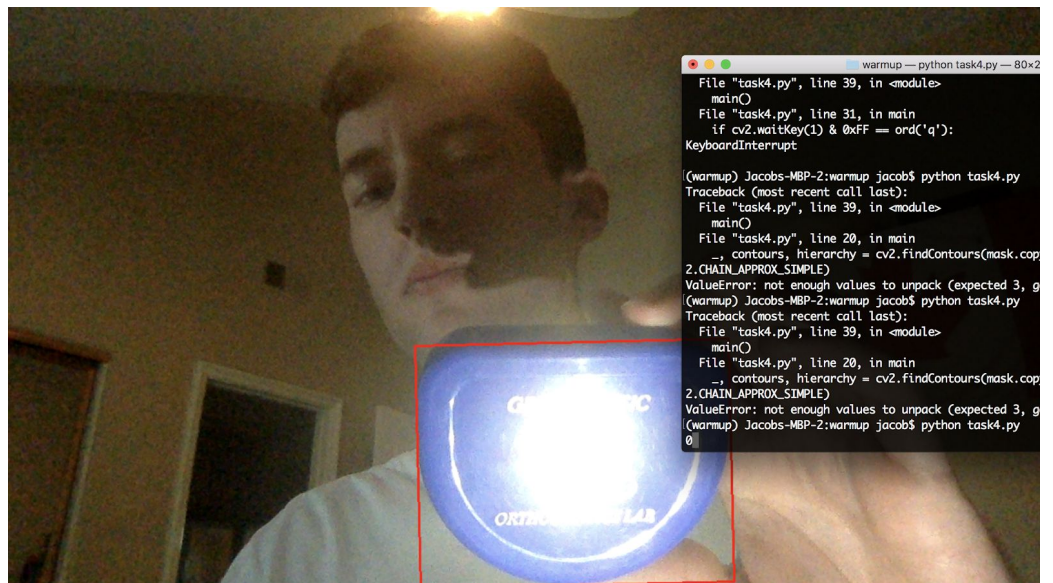
- ii.
- Task 2:
 - i. Uploaded correct files to Github. See above screenshot
- Task 3:
 - i. Familiarized with Python, pushed working Python file to github.
- Task 4:
 - i. HSV typically works better than RGB.
 - ii. A threshold range that worked for me was 20 (absolute difference).



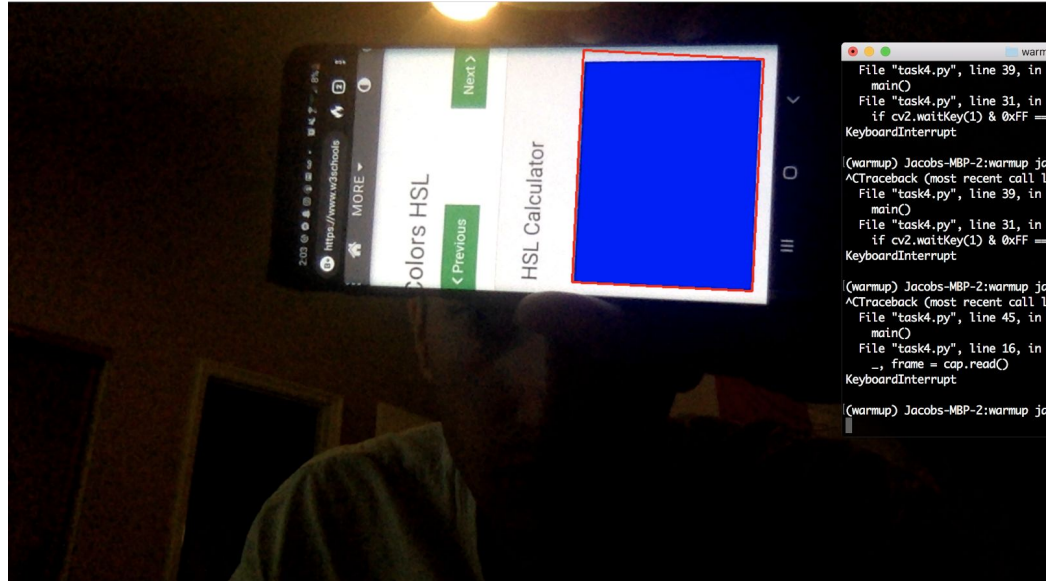
iii.

I used my blue retainer box for this instance.

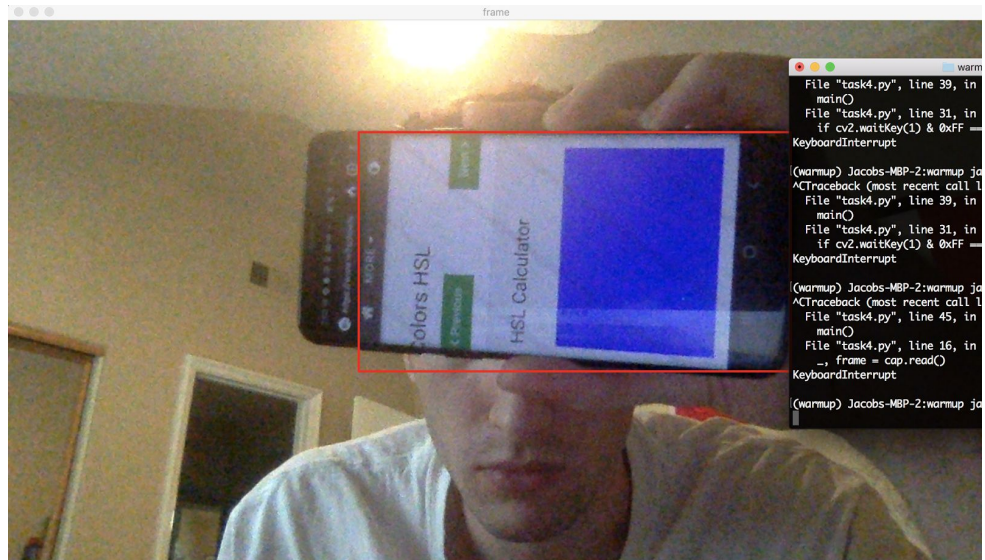
- iv. Even when the lighting was harsh on the object, it seemed to still track well. This is perhaps a result of the reflectivity of the object.



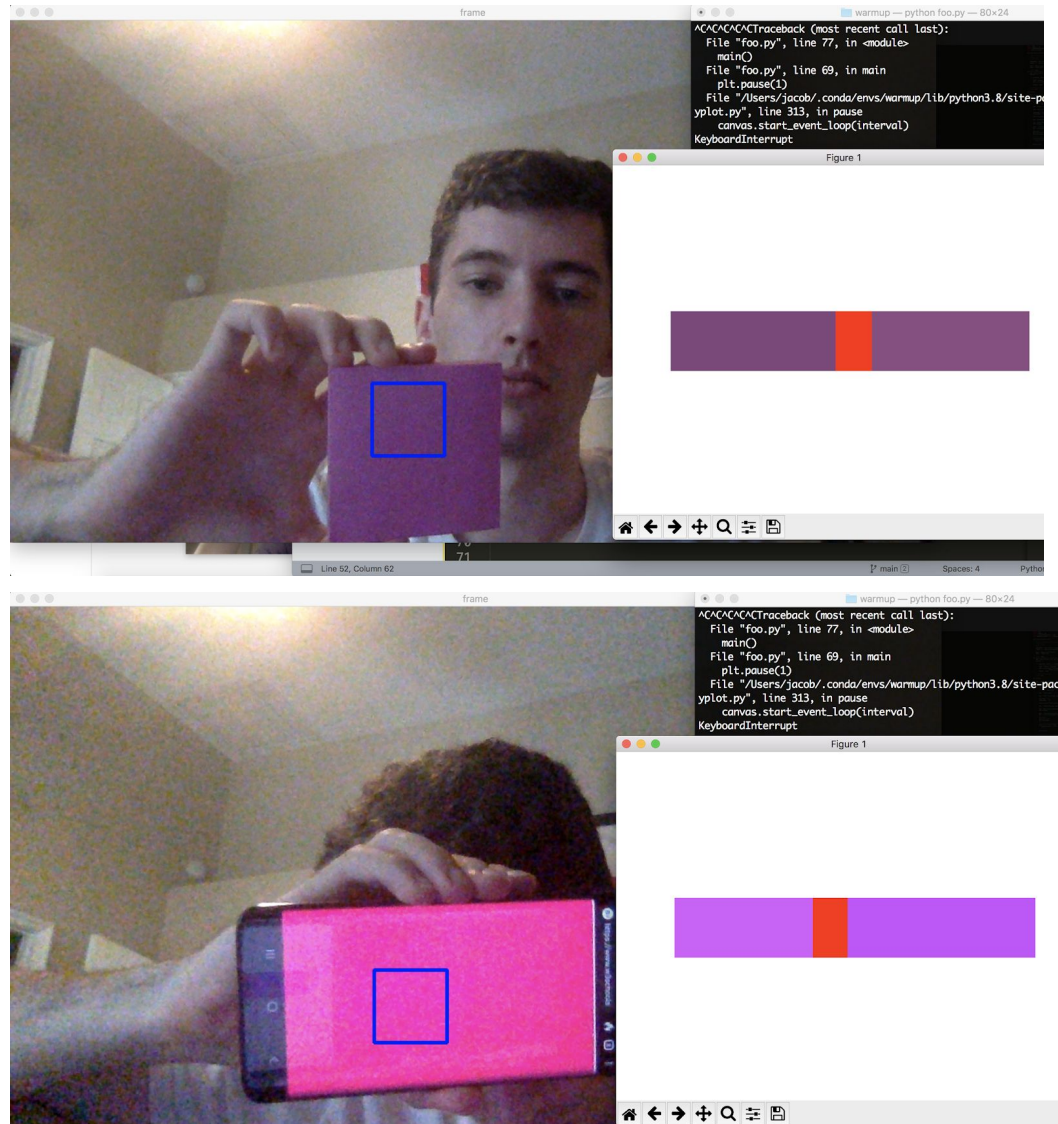
- v. Turning up the brightness made color tracking on the phone much better. Lowering the brightness made it much worse. High brightness:



Low brightness:



- vi. Between the opaque object and my phone, the phone was more robust to brightness, maybe because the color was more pure.



3. What do you plan to do this week?
- This week, I plan to complete the week 1 tutorial.
 - Hopefully, our group can also finalize a project idea, we are thinking of doing a game.