<https://github.com/qualynrc5/Assignment-1.git>

**1. What core operations did you use (e.g., intersections, loops)? Why?**  
I used **for loops** to go through each product and check its tags with the customers preferences. I also made the customer preferences and product tags into **sets** and used **intersection()** to see which tags matched. Sets are great because they remove duplicates and it is faster to see what matches. I also **sorted** the products so the ones with the most matches show first.

**2. How might this code change if you had 1,000+ products?**  
If there was over 1000 products, looping through all of them could be too slow. I could use a **dictionary** to group products by tags, so we only check the ones that matter. Or I could put the products in a **database** and use queries to find matches faster.