1. **Introduction:**
   * **Brief Overview:** To train and test a neural network
   * **Purpose:** To be able to create a neural network and test it. Interacting with the notebooks and correcting any errors.
2. **Description of Experience or Topic:**
   * **Background Information:** Understanding the coding and the sensitivity of the coding is important. Something small can throw off the entire cell and cause issues not allowing it to run.
   * **Specific Details:** This notebook was coded to tell the difference between the picture of a chihuahua or a muffin. Multiple pictures are loaded into the datasets and running codes the computer is able to determine if the picture is a chihuahua or a muffin.
3. **Personal Reflection:**
   * **Thoughts and Feelings:** Initially I was not exactly sure what the object of the outcome was. It seemed a little intimidating.
   * **Analysis and Interpretation:** I found myself getting a little frustrated. I tend to get down when I feel like I am not understanding something. As I worked through the assignment and utilized Gemini for assistance, I was able to move more smoothly.
   * **Critical Thinking:** The assignment as a while worked well, there were a few pictures that the model got wrong, one muffin was 100% labeled as a chihuahua, which made me laugh. It was fun to work through and fix little issues. I realized that something as small as an indention in the wrong place can cause the entire cell to not run. You definitely have to pay attention to every single detail.
4. **Discussion of Improvements and Learning:**
   * **Personal Growth:** This assignment helped me to feel a bit more comfortable with running cells. The intimidation factor went down some.
   * **Skills Developed:** I feel as though a skill that was developed was looking at the codes individually and not as one long stretch of works and letter. I am able to look at the codes in a more analytical way.
5. **Conclusion:**
   * **Summary:** From this assignment I was able to trust myself more when figuring out error codes, with the help of Gemini. I feel more comfortable with reading and applying steps while moving through the assignments.