To: Manager X
From: Jason Alexander and Vlad Satchek
Subject: Experience with Exploratory Programming Tasks in Python 3
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   In our experience, working on these basic tasks was more frustrating than we thought it would be in Python. However, the first assignment was straightforward as it had a very basic specification and Python handled command line input and standard input/output in a straightforward and succinct way with built-in libraries. However, working on parsing a stream of JSON in the next assignment led to more difficulty as Python did not have an easy way to parse more than a single JSON object. However, there were some functions within Python's standard JSON library that allowed us to decode in a sequential way nicely and without too much added code. We also struggled to understand the specification a little bit with that problem. With our next assignment, creating a GUI was straightforward and did not require too much effort. With Python's standard GUI library tkinter, we were able to create a canvas to draw on and easily draw the points to make a hexagon. Finally, the TCP functionality was wrapped up rather nicely in Python, but we had some confusion about the specification for that problem as well. Overall, we felt that Python should have more basic functionality (like parsing JSON) built-in and struggled to figure out what felt like unclear specifications at times. With the specification seeming unclear at times, we had to make some logical jumps to decide which certain way to interpret a problem to our best judgment. This seems to have been successful, but in the future we hope to grow more in our understanding of how to read and understand a specification and interact with that uncertainty better.