

Kylie Chesner, Micah Thompkins

CS 393

Assignment 6

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We are committing to using Team 1's code base. Both codebases use Python 3 and major libraries used by both are json, sys, and copy. Additionally Team 1 uses streamy to help deal with and manipulate JSON input which is an added feature. Team 1 passes one more test on 5.1 and passes more of the 5.2 tests so we are more confident in the correctness of the Team 1 code and this was ultimately the biggest reason we decided to go with team 1's code as all other things were fairly similar. In terms of differences that Team 1 has that are helpful they are as follows. Team 1's code base has more modularity, splitting up certain pieces of larger problems into smaller ones. This modularity is particularly useful for assignments with complex logic such as the rule checker. Team 1 uses higher-level functions to parse the input into arguments and function calls in a simplified manner. Additionally, Team 1 has functions for both converting points from strings to tuples and back. Lastly, Team 1 uses deepcopy when creating an updated board, which is less efficient performance-wise, but safer. Since we currently have no performance bottlenecks, it is better to pick the safer option and avoid unknowingly updating variables.