**Extra Credit - Please see the attached file. Submit on Moduel\_6 assignment dropbox. (10 points) - Please make sure to label it as Extra credit.**

1. If you have access to a compiler that provides optional dynamic semantic checks for out-of-bounds array subscripts, use of an inappropriate record variant, and/or dangling or uninitialized pointers, experiment with the cost of these checks. How much do they add to the execution time of programs that make a significant number of checked accesses? Experiment with different levels of optimization (code improvement) to see what effect each has on the overhead of checks.