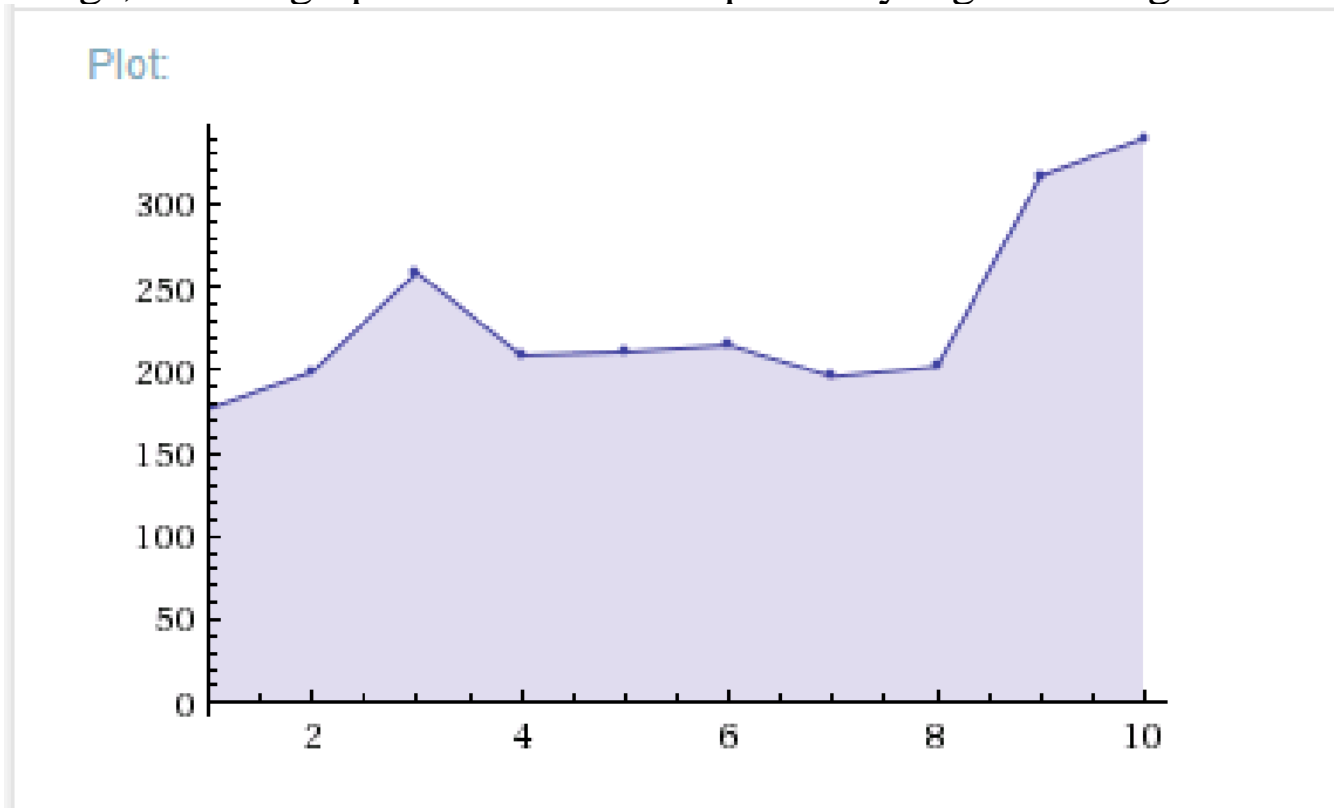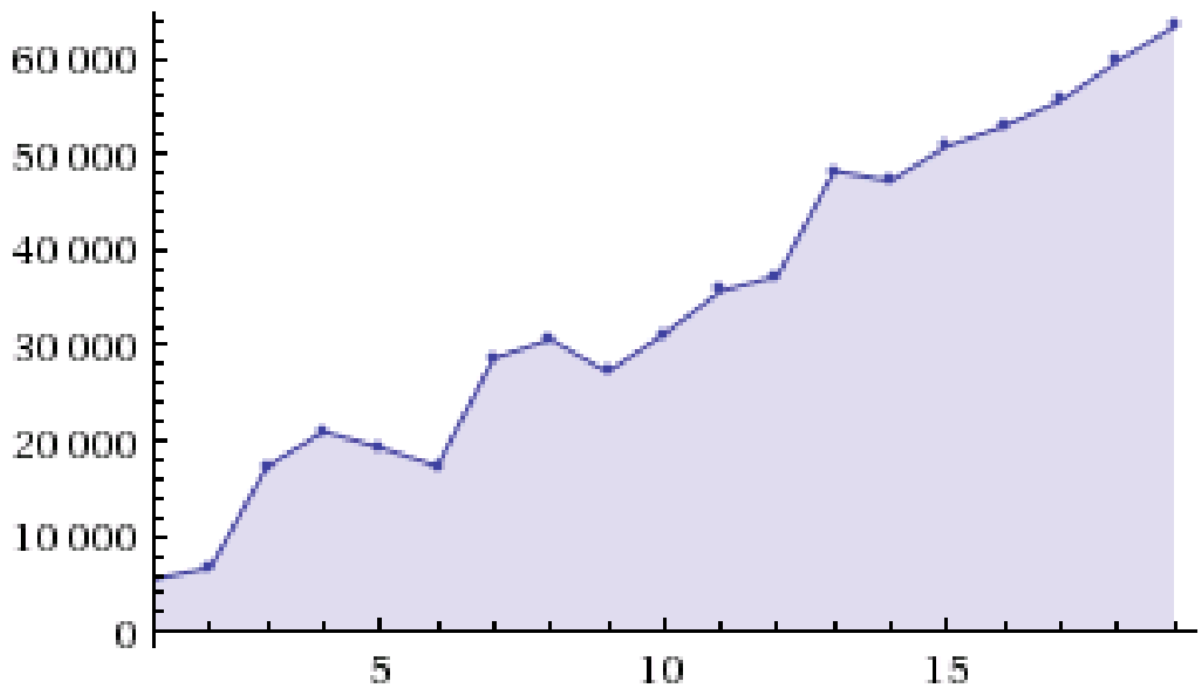1.Eric Longberg, Eric Longberg submitted the code
2.Rarely, not really, we work really well in our current roles.
3.10/10, yes.
4. In order to use a Java List instead of a basic array would require further coding in order to add more methods. This would increase the development time of the program.
5. O (Log N)
6. Probably? The machine running the timings was doing other things, but the graph seems to reflect primarily logarithmic growth.

Plot:

7.O (Log N) for worst case.

Plot:

8. Roughly 8 hours.