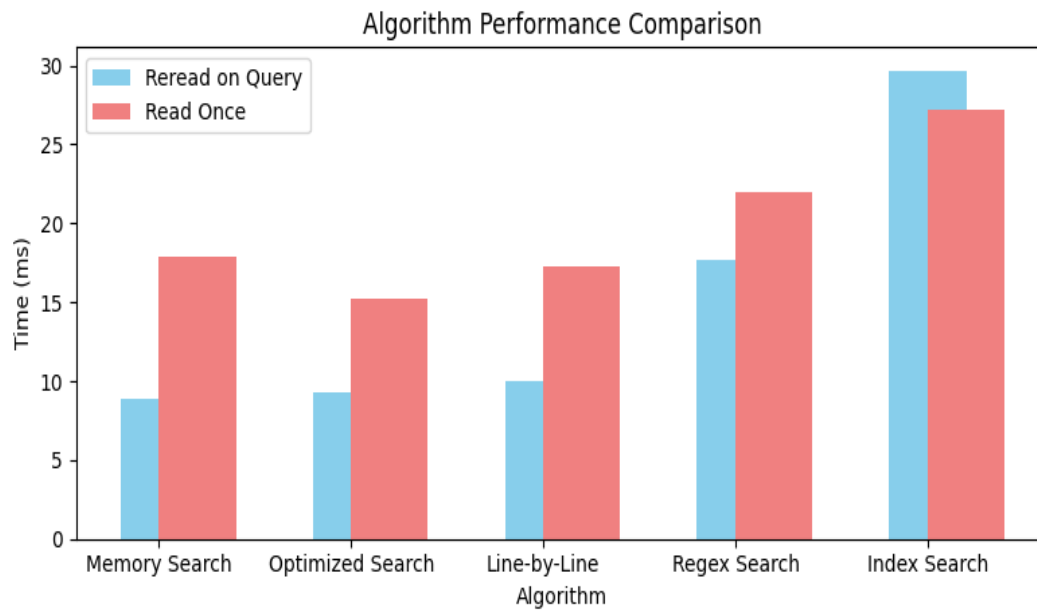
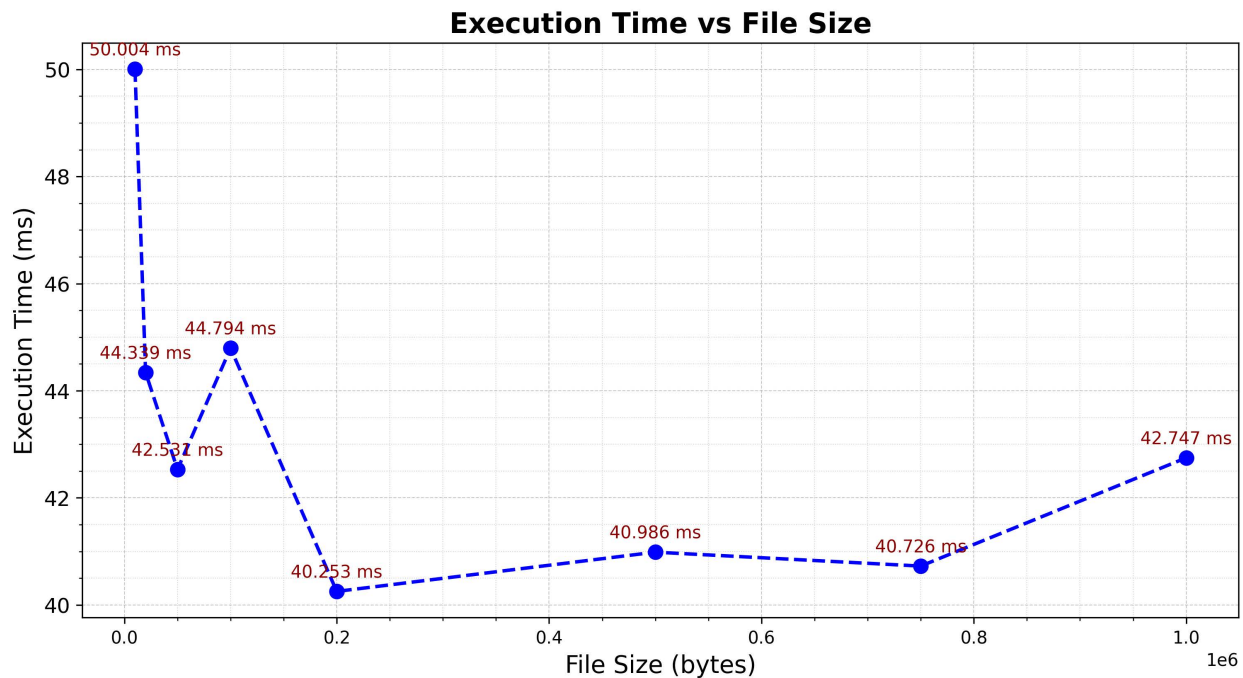


Speed Testing Report

Algorithm	Reread on Query (Time in ms)	Read Once (Time in ms)	Time Difference (ms)
Memory Search	8.836	17.861	-9.025
Optimized Search	9.307	15.271	-5.964
Line-by-Line	9.974	17.219	-7.245
Regex Search	17.709	21.961	-4.252
Index Search	29.668	27.221	2.448



I used optimized search because evidently, it's faster than the other algorithms



The above line graph reveals the search speed test for different file sizes