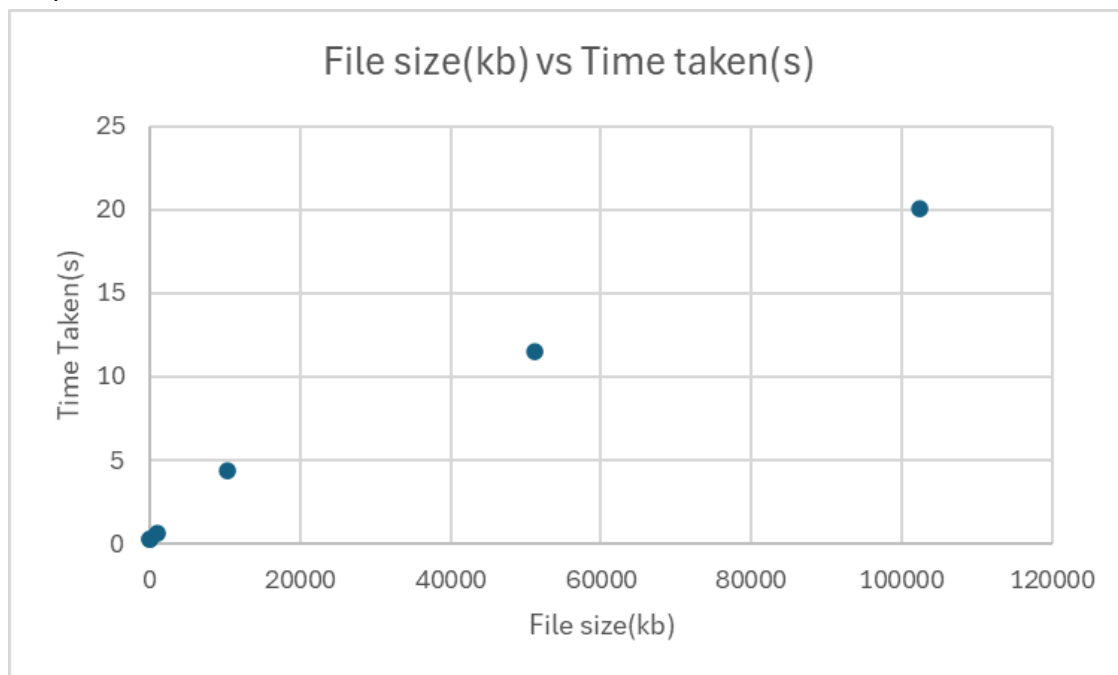


Performance Data

The table shows the real time taken to transfer binary files of different sizes

File Size	Time Taken(seconds)
1 KB	0.254
64 KB	0.284
1 MB	0.674
10 MB	4.399
50 MB	11.502
100 MB	20.056

Graph:



Analysis of Trend/Bottleneck

The trend shows a positive linear relationship between the file size and time taken. It took a longer amount of time for the transferring of the 100MB file than the others. This is because the client sends and receives the file in small 256-byte pieces. Each piece requires switching between the program and the operating system. For a big file like 100 MB, this happens hundreds of thousands of times, so all that adds up. That's why the bigger the file, the longer it takes.