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DAA - exp1A

<u>Aim</u>: Implement various functions, linear, quadratic, exponential, logarithmic and compare them.

<u>Thoughts</u>: The initial part of experiment was very easy, coding. We were given a task to code 10-15 functions and print their outputs from 1 to 100. Apart from that, we also had to code for factorial and exponential functions from n=1 to n=15, it was a bit difficult to code that as the data types were not big enough. Redirecting terminal output to txt file could be easily done using . /a.out > output.txt command. After plotting the values for corresponding n to their function values, we had to plot a chart for the same. Plotting every function was very difficult, due to varying values across different functions, so either a logarithmic scale was used, or, graph was split to have 4-5 functions. This experiment helped me differentiate between different complexities and why some time complexities are better than others.