The variables y and x are related to each other according to the following equation for $0 \le x \le 2$.

$$y = ax + be^x$$

You are provided with $\mathbf{data.txt}$ file where each line contains a value of x and the corresponding value of y.

- i. Compute the values of a & b so that the corresponding curve best fit the data provided in the data.txt file. (13)
- ii. Plot the provided data points as well as the computed curve in a single plot with different colors. (7)

er. 3 In3=2

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