

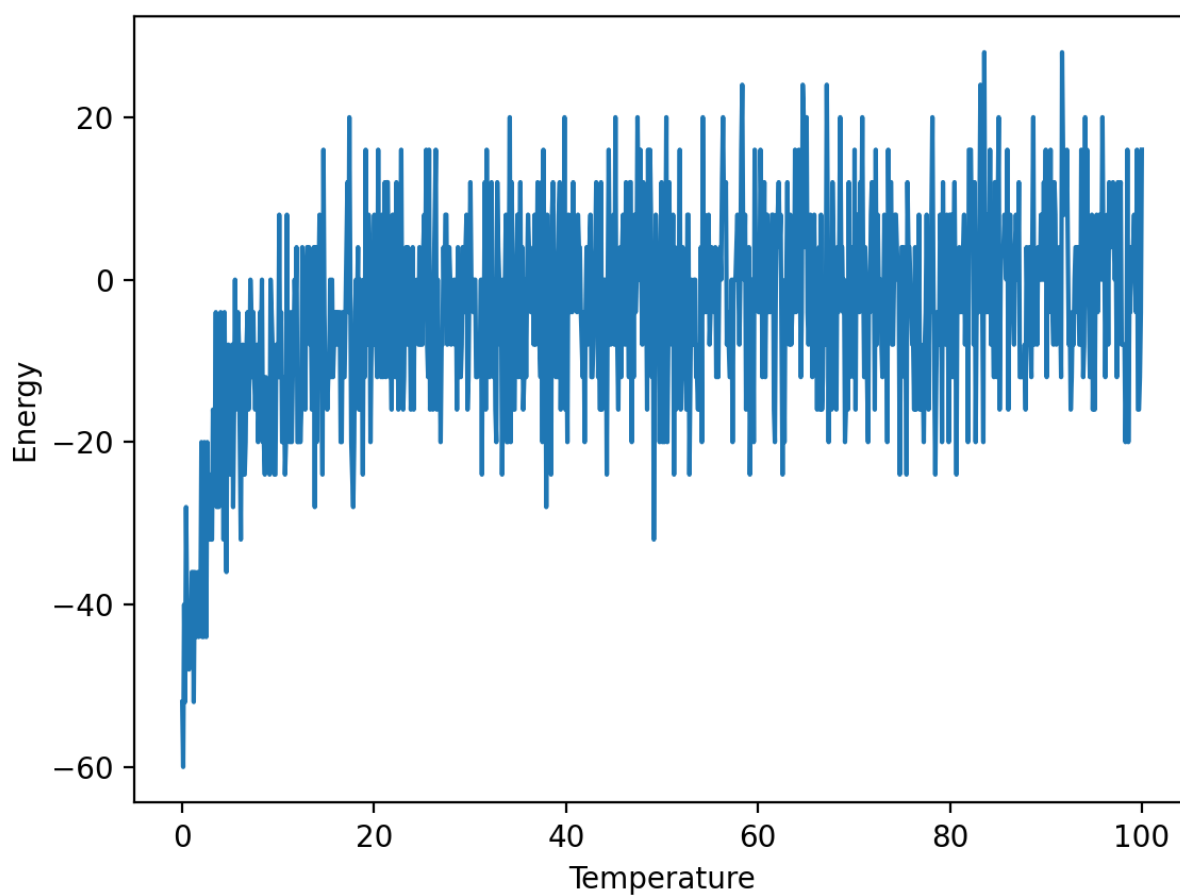
# 1D Ising Model

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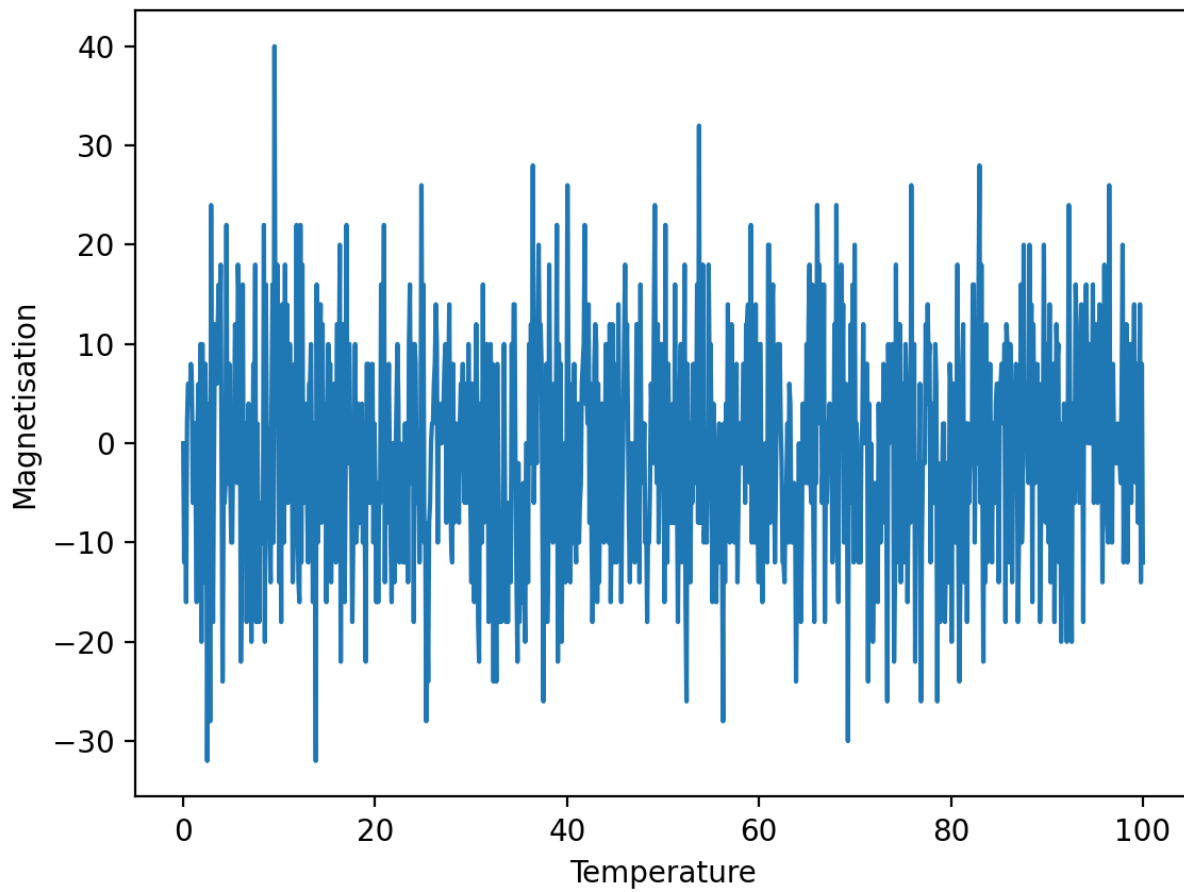
We chose  $J=1$  and  $k=1$ . We ran the simulation in a certain range of temperature and different model size.

Model Size = 100 and Temperature from 0 to 100

Energy

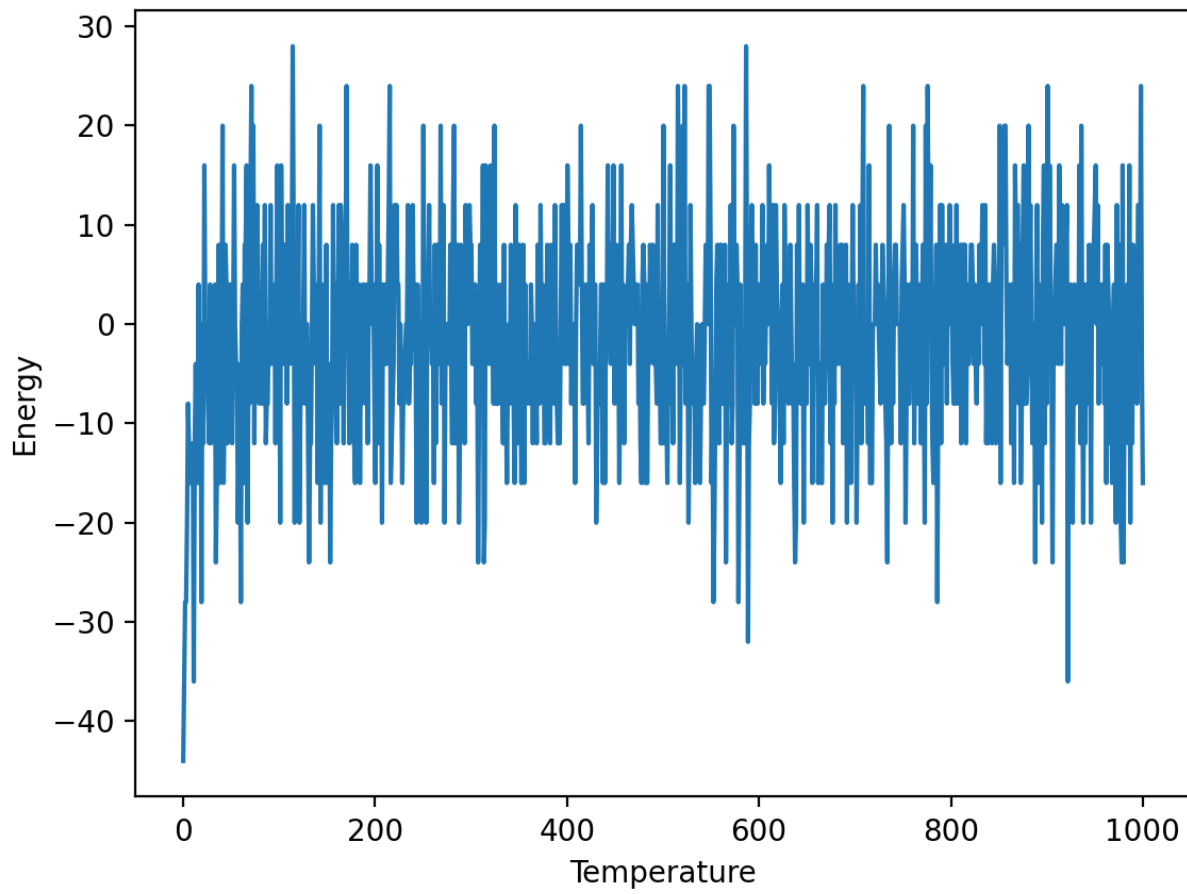


Magnetization

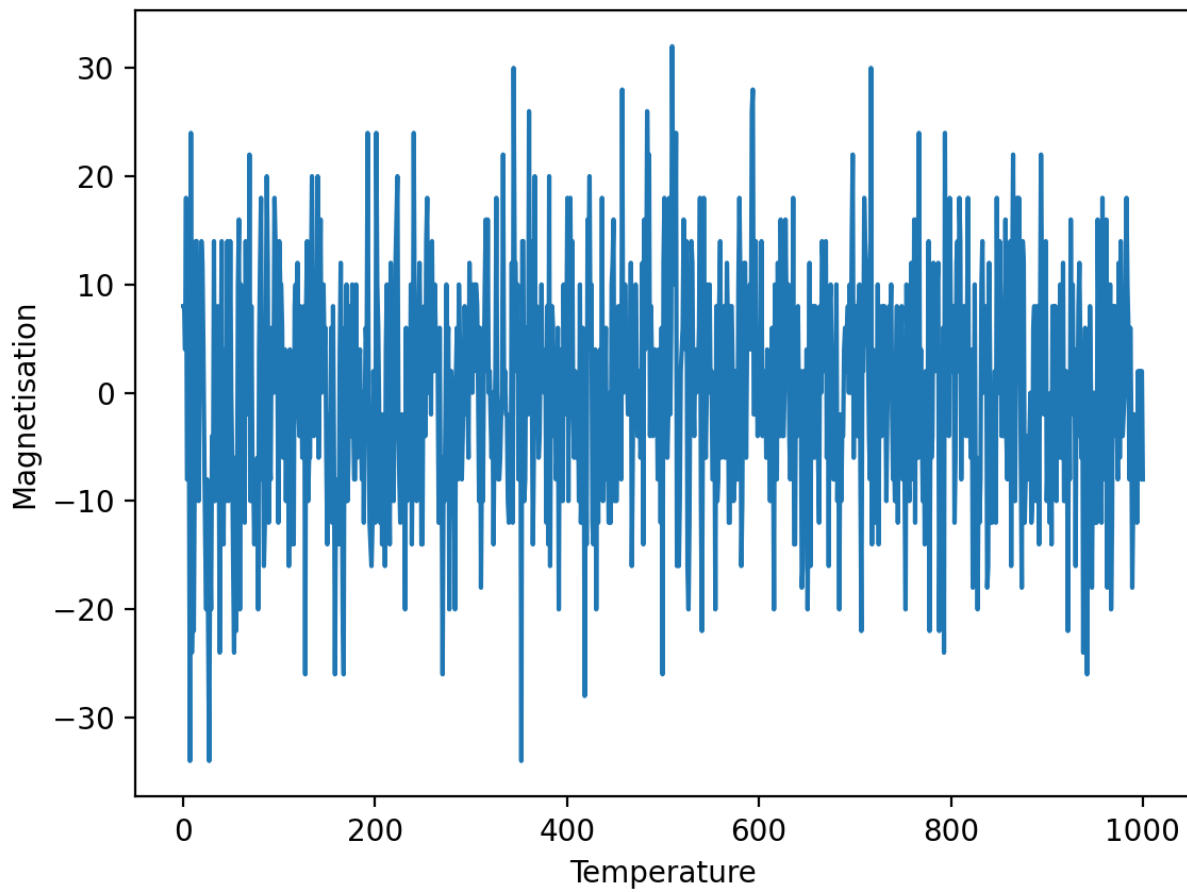


Model Size = 100 and Temperature from 0 to 1000

Energy

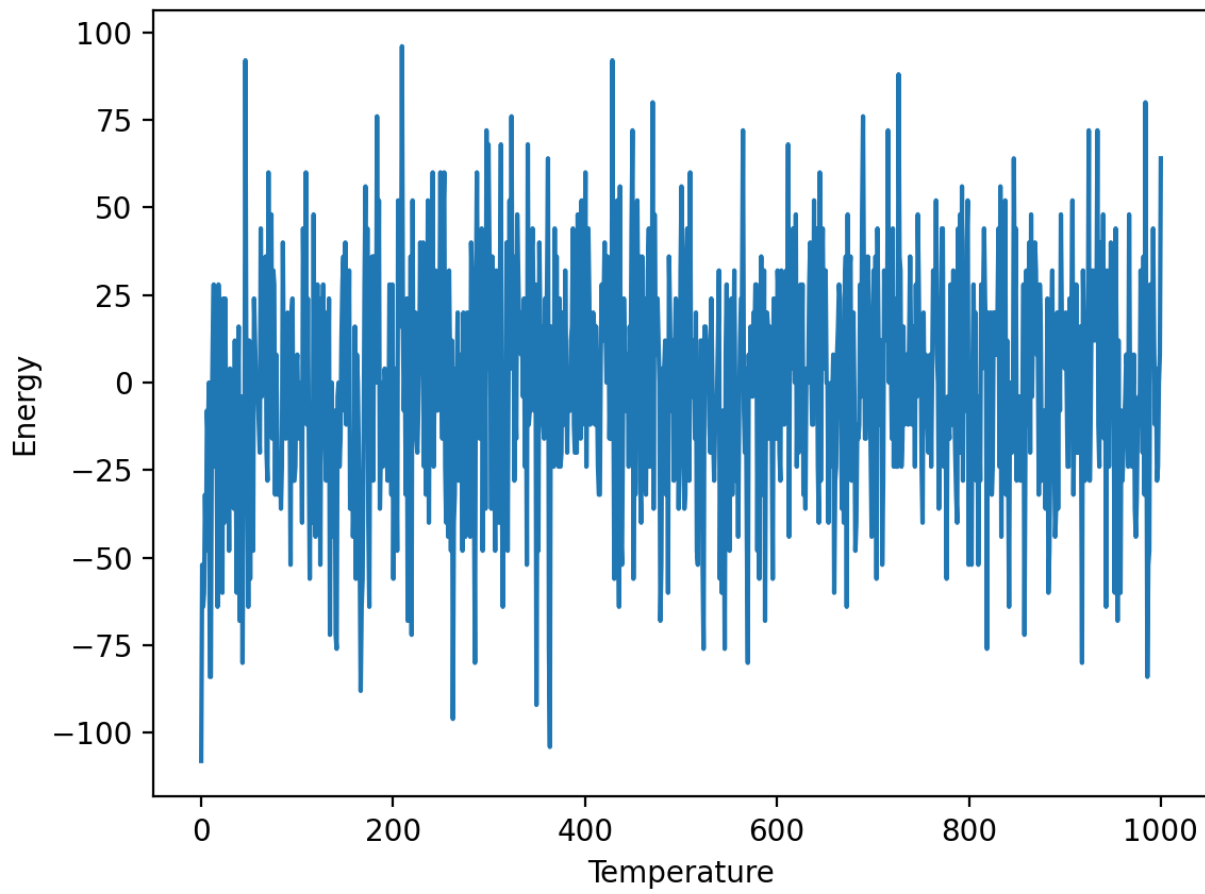


Magnetization



Model Size = 1000 and Temperature from 0 to 1000

Energy



Magnetization

