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Towards Data Science

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Gordon Moore, in 1965, made a prediction that has since become known as Moore?s Law. He stated that the number of transistors on microchips would double every two years. Additionally, Moore?s Law stipulates that the cost of computing hardware will also halve during the same period.

In today?s technological landscape, it is common for computer devices to come equipped with multi-core CPUs or multiple processors. As developers, it is important for us to write code that takes advantage of this hardware capability in order to deliver the most optimised and efficient solution for our users.

Concurrency is the execution of multiple instruction sequences simultaneously.

Suppose that our system has a 2 core CPU. Running non-concurrent code would result in our script

utilising only one core for task execution, leaving the other core?