

CODE CHALLENGE!

write and code an Algorithm to average
the online client reviews

Coding for a brighter and better future for everyone

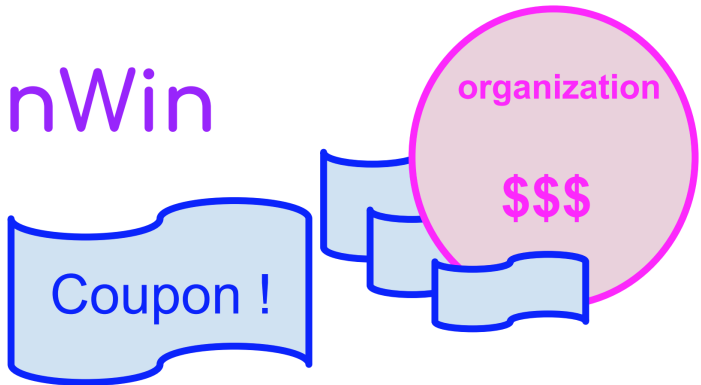
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Our Product

Our product: WinWin app from CoolCode

WinWin



Our Goals and Challenges

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Goals:

- ▶ **Compute** the average online client reviews
- ▶ **Update** the average on real time

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Challenges:

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- ▶ **Real time** computation

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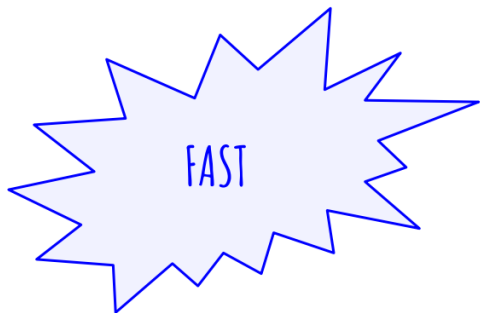
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- ▶ **Real time** computation

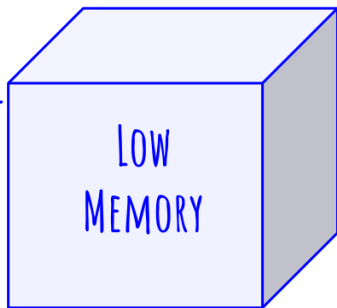
⇒ Write and Code an **Efficient Algorithm**

Efficient Algorithm?

Efficient Algorithm?



MINIMIZE
NUMBER OF OPERATIONS



MINIMIZE
STORAGE MEMORY

An example: simple average

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When measuring the average over 2 reviews:

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$$\textit{Average} = \frac{R_1 + R_2}{2}$$

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Storage memory:

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Storage memory: 1 single value (decimal), the Average

Let's Play!