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Self-Refine Prompting

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Definition

- Self-Refine Prompting is an iterative process where a language model autonomously generates, assesses, and refines answers.

How Self-Refine Prompting Works?

Initiation

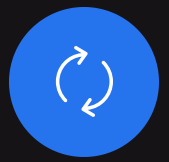
Begins with the model creating an initial response to a query.

Refinement

Adjustments are made to enhance the initial response.

Review

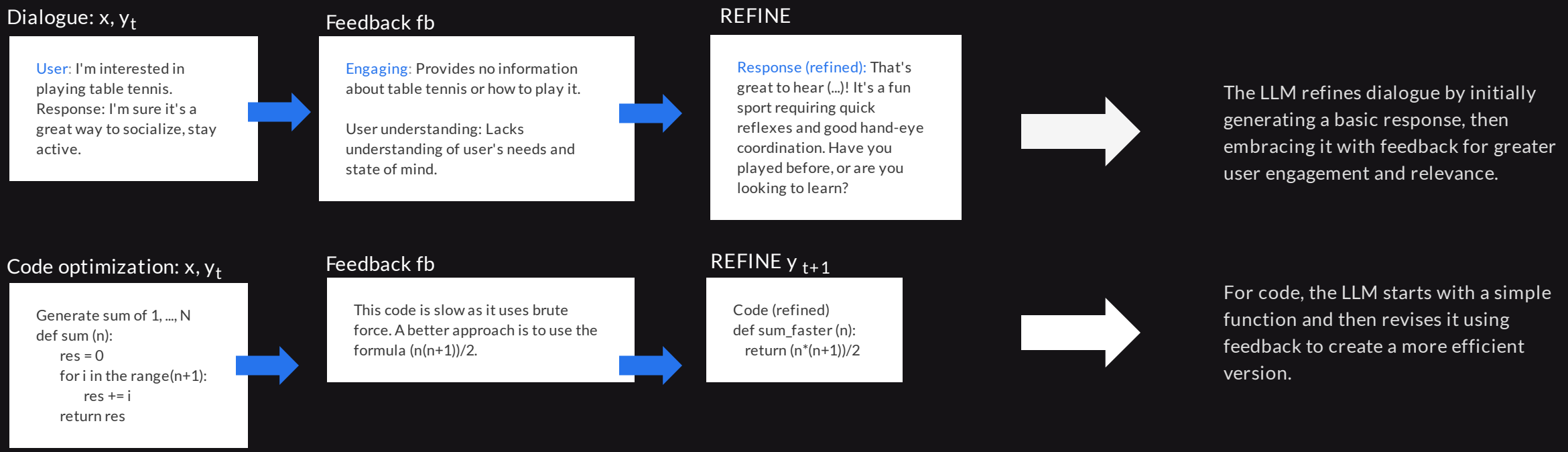
The model evaluates its response, suggesting improvements.



Iteration

This cycle repeats until a satisfactory answer is not formed or a set attempt limit is reached.

Self-Refine Prompting: Example



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Cons: Self-Refine Prompting

- Depends on advanced model skills for instruction-following and learning, which may not extend to simpler models.
- Effectiveness beyond English remains untested, posing a risk for non-English applications and potential misuse.
- Iterative improvements is not guaranteed, especially in complex tasks with numerous variables.

Thank You

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