

# Recap of Reflection Agentic AI Systems

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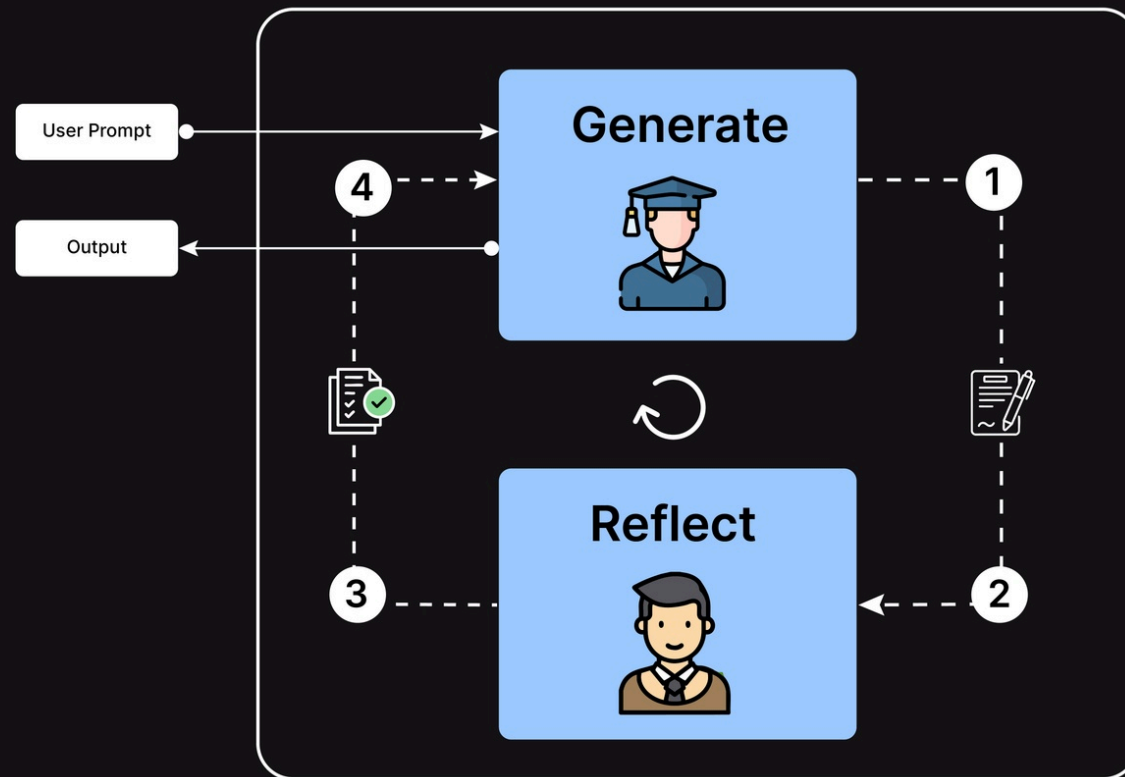
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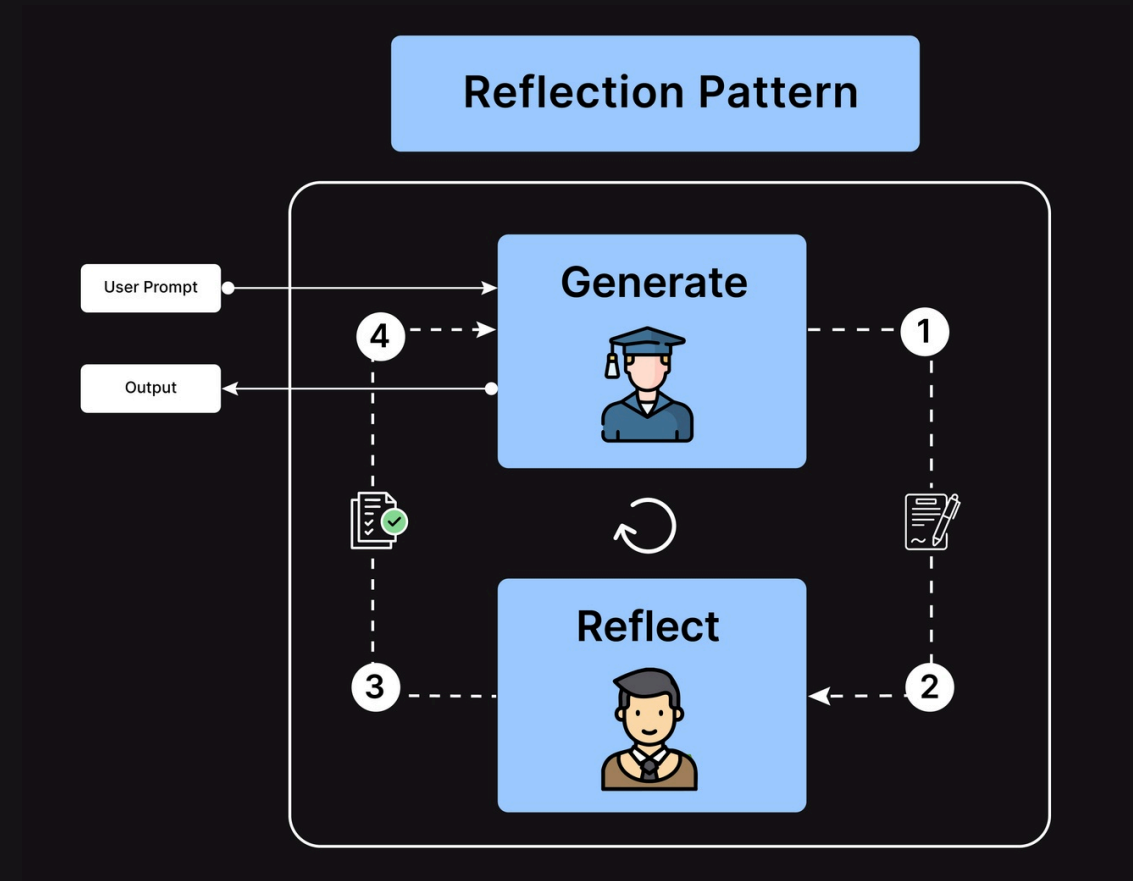


## Reflection Pattern



# What is Reflection Pattern?

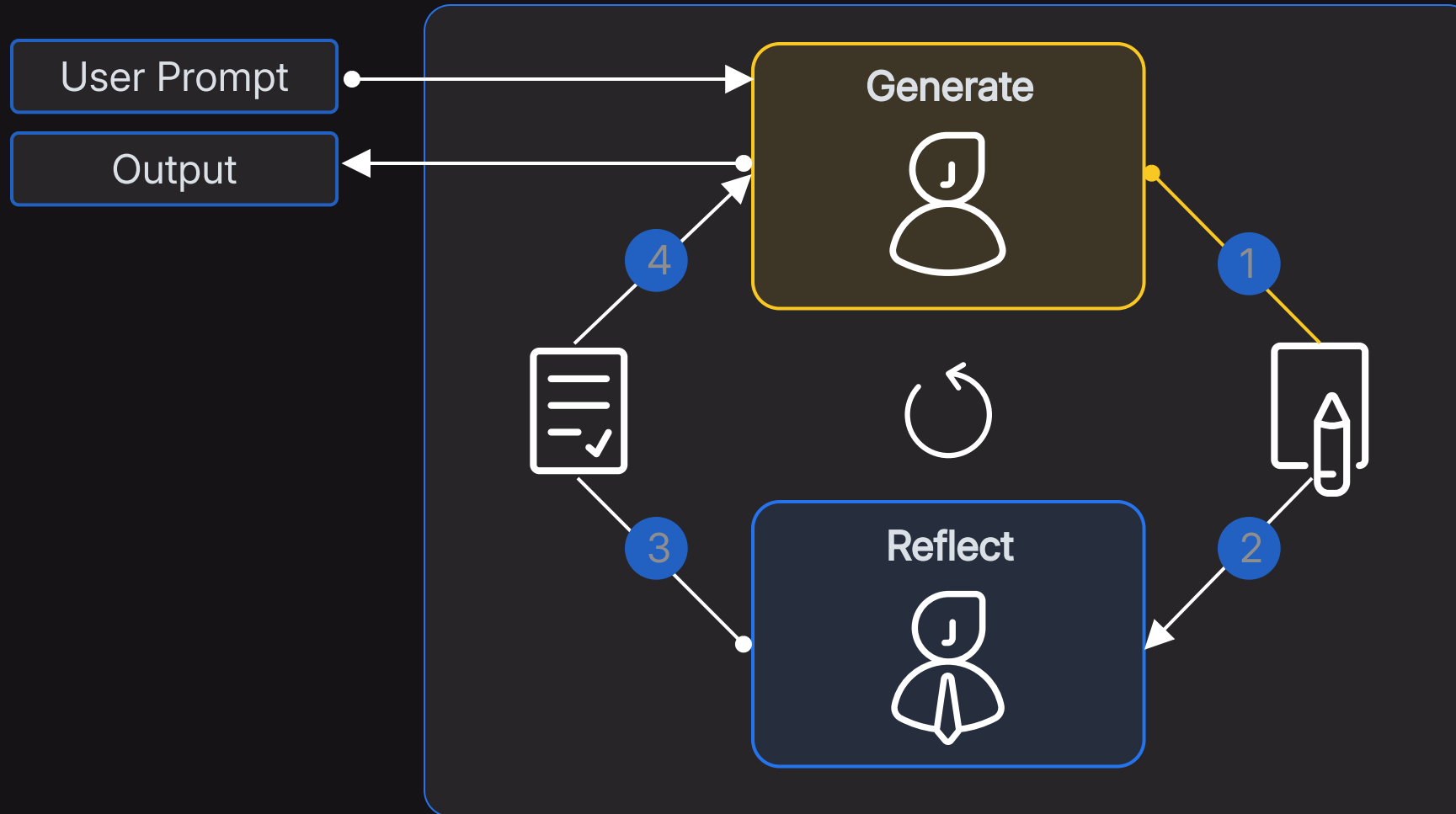
- A simple yet powerful approach that significantly improves LLM responses.
- It enables the LLM to review its output, suggest changes, add details, and enhance the style.



Source: <https://theneuralmaze.substack.com/>

# Basic Components

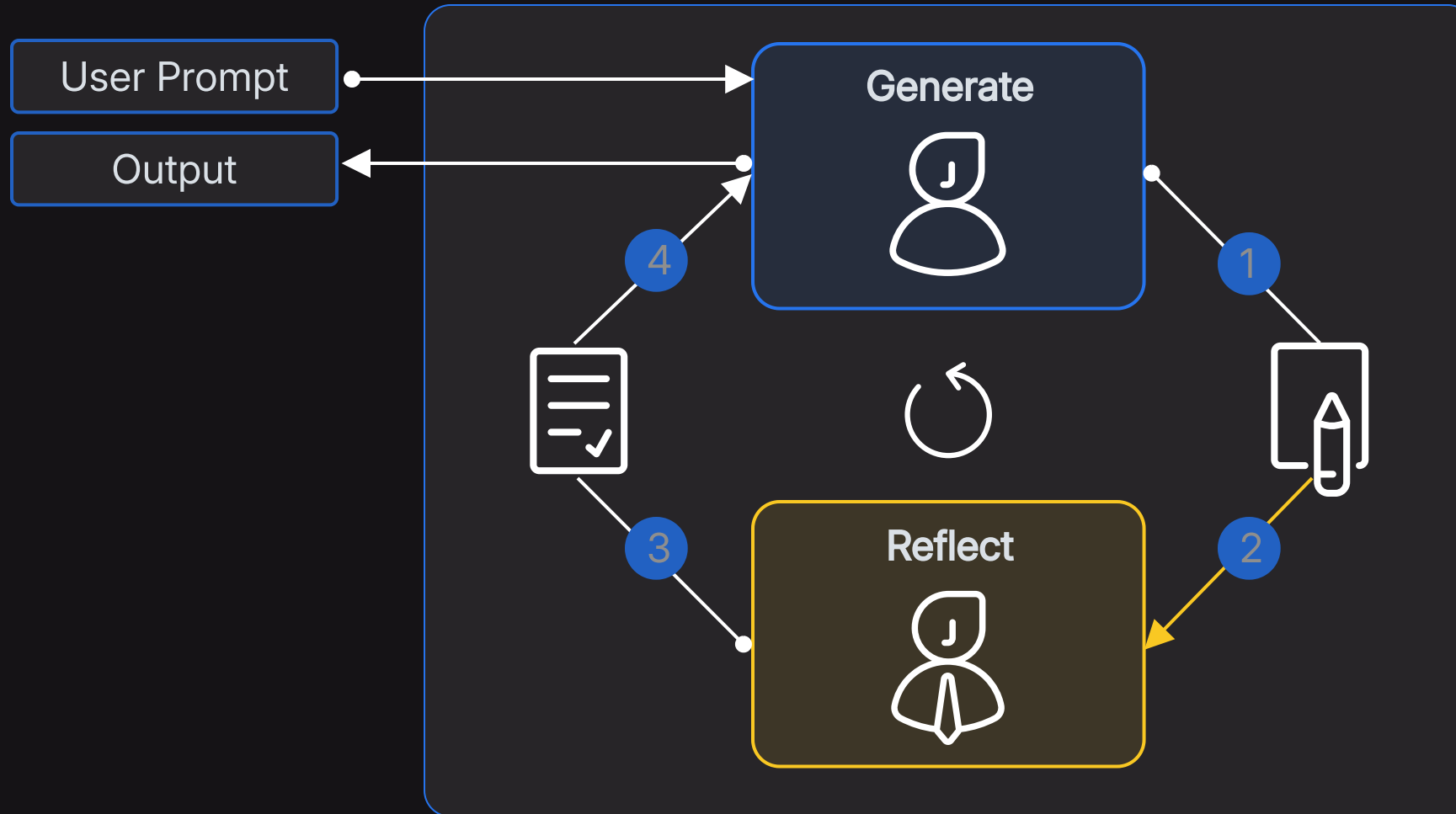
The reflection pattern helps the LLM refine its outputs in a continuous feedback loop, as shown:



**1. Generate:** The LLM creates an initial response based on the user prompt.

# Basic Components

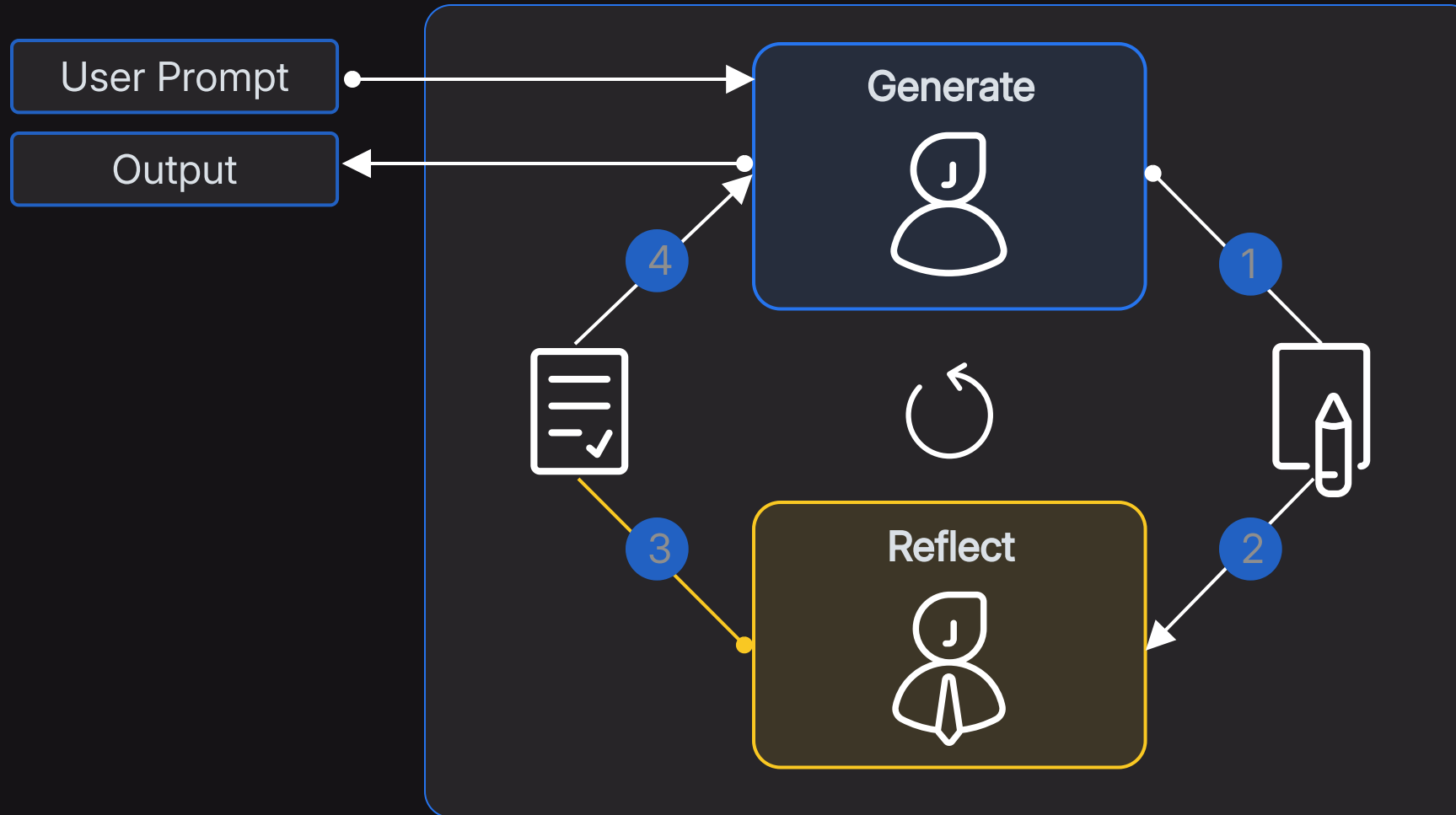
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**2. Reflect:** The LLM reviews its output, identifying improvement areas, such as content, clarity, or style.

# Basic Components

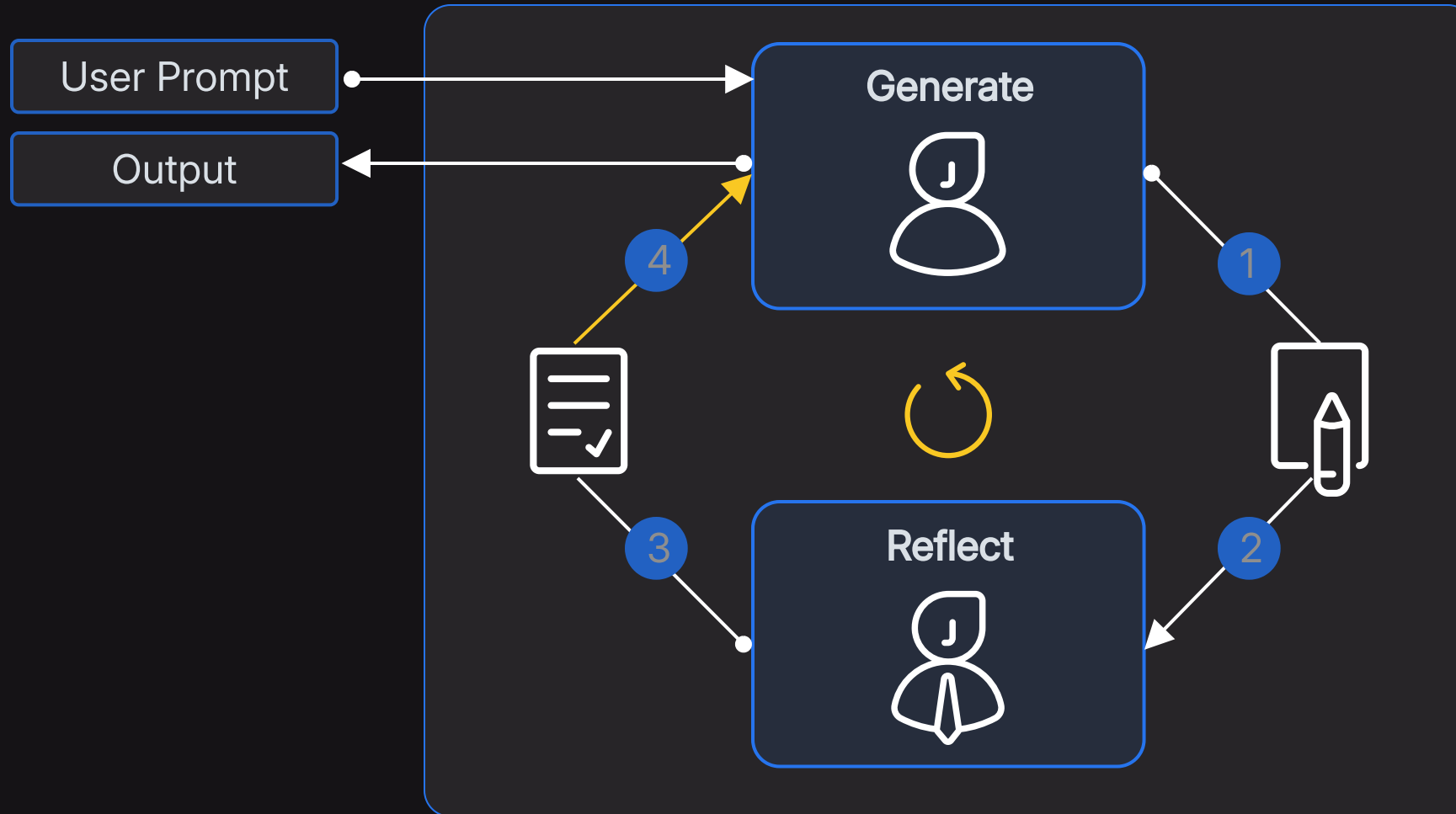
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**3. Modify:** The LLM revises the output based on its reflections, enhancing the response.

# Basic Components

The reflection pattern helps the LLM refine its outputs in a continuous feedback loop, as shown:



**4. Repeat:** The process loops as needed, allowing iterative refinements for better results.

**Thanks**