

■ ■■■ Reflection Pattern ■■ Agentic AI



- | | | | |
|---|----|----|--|
|  | 2 | 1. |  Reflection Pattern  |
|  | 3 | 2. |  Reflection Pattern  |
|  | 4 | 3. |  Reflection Pattern  |
|  | 5 | 4. |  Reflection Pattern  |
|  | 6 | 5. |  Reflection Pattern  |
|  | 7 | 6. |  Reflection Pattern  |
|  | 8 | 7. |  Reflection Pattern  |
|  | 9 | 8. |  Reflection Pattern  |
|  | 10 | 9. |  Reflection Pattern  |

Reflection Pattern


Reflection
Pattern!  LLM  LLM  LLM  LLM  LLM  LLM  LLM 

Reflection Pattern

 ( LLM) 






 3  10

← 



 →

Reflection Pattern

Reflection Pattern - Generator LLM
Reflection Pattern: Reviewer LLM Generator
Reflection Pattern Generator
Reflection Pattern

4 10

←

→

→



Reflection Pattern



```
class ReflectionAgent:
    def __init__(self):
        self.generator_llm = GeneratorLLM()
        self.reviewer_llm = ReviewerLLM()
        self.max_iterations = 3

    # Evaluation criteria for article review
    self.review_criteria = [
        "Grammar and spelling accuracy",
        "Clarity and readability",
        "Factual accuracy",
        "Logical flow and structure",
        "Relevance to the topic"
    ]
```





███;

███ 1

████ 10 ███

███

██████████ 6 ███ 10

← ██████████

██████████

██████████ →



Reflection Pattern

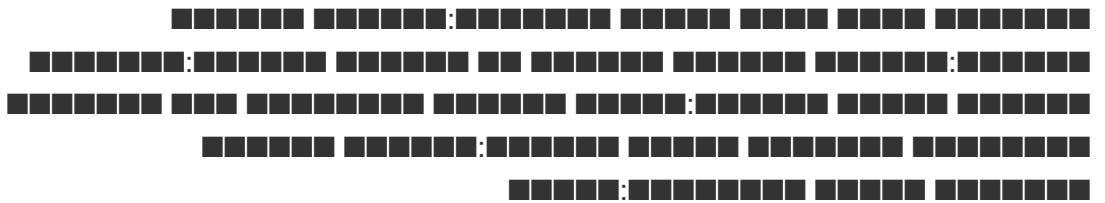


```
class CodeReflectionAgent:
    def __init__(self):
        self.code_generator = CodeGeneratorLLM()
        self.code_reviewer = CodeReviewerLLM()

        # Code review criteria
        self.code_criteria = [
            "Correctness and functionality",
            "Code readability and organization",
            "Performance optimization",
            "Security best practices",
            "Error handling",
            "Documentation and comments"
        ]
```



Reflection Pattern



 8 10

← 



 →





Al

