



This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

# SPRING AI

## GENERATIVE ARTIFICIAL INTELLIGENCE CON JAVA

Simone Scannapieco

Corso base per Venis S.p.A, Venezia, Italia

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### Note

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



## CONTROLLI DI OUTPUT LLM

### Note

[illegible]

-  Simone Scannapieco

## This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page, providing a template for writing or drawing. There are no margins, text, or other markings on the paper.

```
package it.venis.ai.spring.demo.model;

import java.util.UUID;

public record Question(UUID id, String question) {

    public Question(String question) {
        this(UUID.randomUUID(), question);
    }

}
```

### Note

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface. There is no handwriting or other markings on the paper.

- ## *File* application.yml

```
spring:
  application:
    name: demo
  ai:
    openai:
      api-key: ${GOOGLE_AI_API_KEY}
      base-url: https://generativelanguage.googleapis.com/v1beta/openai
      chat:
        completions-path: /chat/completions
        options:
          model: gemini-2.0-flash-lite
          temperature: 2
          #top-p: .99
          #top-k: 30
          #max-tokens: 100
          #max-completion-tokens: 100
          #frequency-penalty: .2
          #presence-penalty: .2
          stop-sequences:
            - 3
```

### Note

[illegible]

**Branch:** 12-spring-ai-gemini-llm-output-controls

[illegible]