



This image shows a single 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.

SPRING AI

GENERATIVE ARTIFICIAL INTELLIGENCE CON JAVA

Simone Scannapieco

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

Settembre 2025

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, providing a template for writing. There are no margins, text, or other markings on the paper.



REST CONTROLLER GEMINI

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, leaving small margins at the top and bottom. There are no vertical margin lines, and the paper is completely blank except for the lines.

-  Simone Scannapieco

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.

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

public record Question(String question) {}
```

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

public record Answer(String answer) {}
```

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, leaving small margins at the top and bottom. There are no vertical margin lines, and the paper is otherwise completely blank.

Interfaccia servizio Gemini

```

package it.venis.ai.spring.demo.services;

import it.venis.ai.spring.demo.model.Answer;
import it.venis.ai.spring.demo.model.Question;

public interface GeminiService {

    String getAnswer(String question);

    Answer getAnswer(Question question);

}

```

Note

Note-taking area with horizontal lines.

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

import org.springframework.ai.chat.model.ChatModel;
import org.springframework.ai.chat.model.ChatResponse;
import org.springframework.ai.chat.prompt.Prompt;
import org.springframework.ai.chat.prompt.PromptTemplate;
import org.springframework.stereotype.Service;
import it.venis.ai.spring.demo.model.Answer;
import it.venis.ai.spring.demo.model.Question;

@Service
public class GeminiServiceImpl implements GeminiService {

    private final ChatModel chatModel;

    public GeminiServiceImpl(ChatModel chatModel) {
        this.chatModel = chatModel;
    }

    @Override
    public String getAnswer(String question) {
        PromptTemplate promptTemplate = new PromptTemplate(question);
        Prompt prompt = promptTemplate.create();
        ChatResponse response = chatModel.call(prompt);
        return response.getResult().getOutput().getText();
    }

    @Override
    public Answer getAnswer(Question question) {
        return new Answer(getAnswer(question.question()));
    }
}
```

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.

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

import org.springframework.web.bind.annotation.RestController;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.RequestBody;
import it.venis.ai.spring.demo.model.Answer;
import it.venis.ai.spring.demo.model.Question;
import it.venis.ai.spring.demo.services.GeminiService;

@RestController
public class QuestionController {

    private final GeminiService geminiService;

    public QuestionController(GeminiService geminiService) {
        this.geminiService = geminiService;
    }

    @PostMapping("/ask")
    public Answer askQuestion(@RequestBody Question question) {
        return geminiService.getAnswer(question);
    }

}
```

[illegible]

Branch: 4-spring-ai-gemini-rest-controller

[illegible]