



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

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### Note

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.



## REST CONTROLLER GEMINI

### Note

[illegible]

-  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 its 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) {}
```

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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

[illegible]

```
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);
    }

}
```

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

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