

[illegible]

# SPRING AI

## GENERATIVE ARTIFICIAL INTELLIGENCE CON JAVA

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

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### Note

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## CREAZIONE SERVIZIO PER GEMINI

### Note

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Interfaccia servizio Gemini

```

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

public interface GeminiService {
    String getAnswer(String 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;

@Service
public class GeminiServiceImpl implements GeminiService {

    private final ChatModel chatModel;

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

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

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Modifiche alle proprietà del progetto

```

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

```

Note

Multiple horizontal lines for taking notes.

```
{
  "java.compile.nullAnalysis.mode": "disabled",
  "java.configuration.updateBuildConfiguration": "interactive",
  "java.test.config": {
    "env": {
      "GOOGLE_AI_API_KEY": "..."
    }
  }
}
```

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- ## Implementazione *test* Gemini

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### Note

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Branch: 2-spring-ai-gemini-service

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