```
Exercise 2: Implementing Dependency Injection
package com.example.demo;
public interface GreetingService {
 String greet();
}
package com.example.demo;
import org.springframework.stereotype.Service;
@Service
public class GreetingServiceImpl implements GreetingService {
  @Override
 public String greet() {
   return "Hello from the Greeting Service!";
 }
}
package com.example.demo;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.RestController;
@RestController
public class GreetingController {
  private final GreetingService greetingService;
```

```
public GreetingController(GreetingService greetingService) {
    this.greetingService = greetingService;
}

@GetMapping("/greet")
public String greet() {
    return greetingService.greet();
}
```

OUTPUT:

}

```
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     public GreetingController(GreetingService greetingService) {
      course-registration-service
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    ✓ src/main/java
    ⊕ com.example.demo
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                                                                                                                                                                   public String greet() {
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DependencyInjectionDemoApplication\ using Java 1\cdot
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⇒ M JRE System Library [JavaSE-17]

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: Initializing Spring DispatcherServlet 'dispatcherServlet'
: Initializing Servlet 'dispatcherServlet'
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     exp-6
Experiments
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Hello from the Greeting Service!