

Spring REST Controller



Spring REST Support

Spring REST Support

- Spring Web MVC provides support for Spring REST

Spring REST Support

- Spring Web MVC provides support for Spring REST
- New annotation **@RestController**

Spring REST Support

- Spring Web MVC provides support for Spring REST
- New annotation **@RestController**
 - Extension of @Controller

Spring REST Support

- Spring Web MVC provides support for Spring REST
- New annotation **@RestController**
 - Extension of @Controller
 - Handles REST requests and responses

Spring REST Support

- Spring Web MVC provides support for Spring REST
- New annotation **@RestController**
 - Extension of @Controller
 - Handles REST requests and responses
- Spring REST will also automatically convert Java POJOs to JSON

Spring REST Support

- Spring Web MVC provides support for Spring REST
- New annotation **@RestController**
 - Extension of @Controller
 - Handles REST requests and responses
- Spring REST will also automatically convert Java POJOs to JSON
 - As long as the Jackson project is on the classpath or pom.xml

Spring REST Hello World

Spring REST Hello World



REST
Client

Spring REST Hello World

REST
Client

REST
Service

Spring REST Hello World



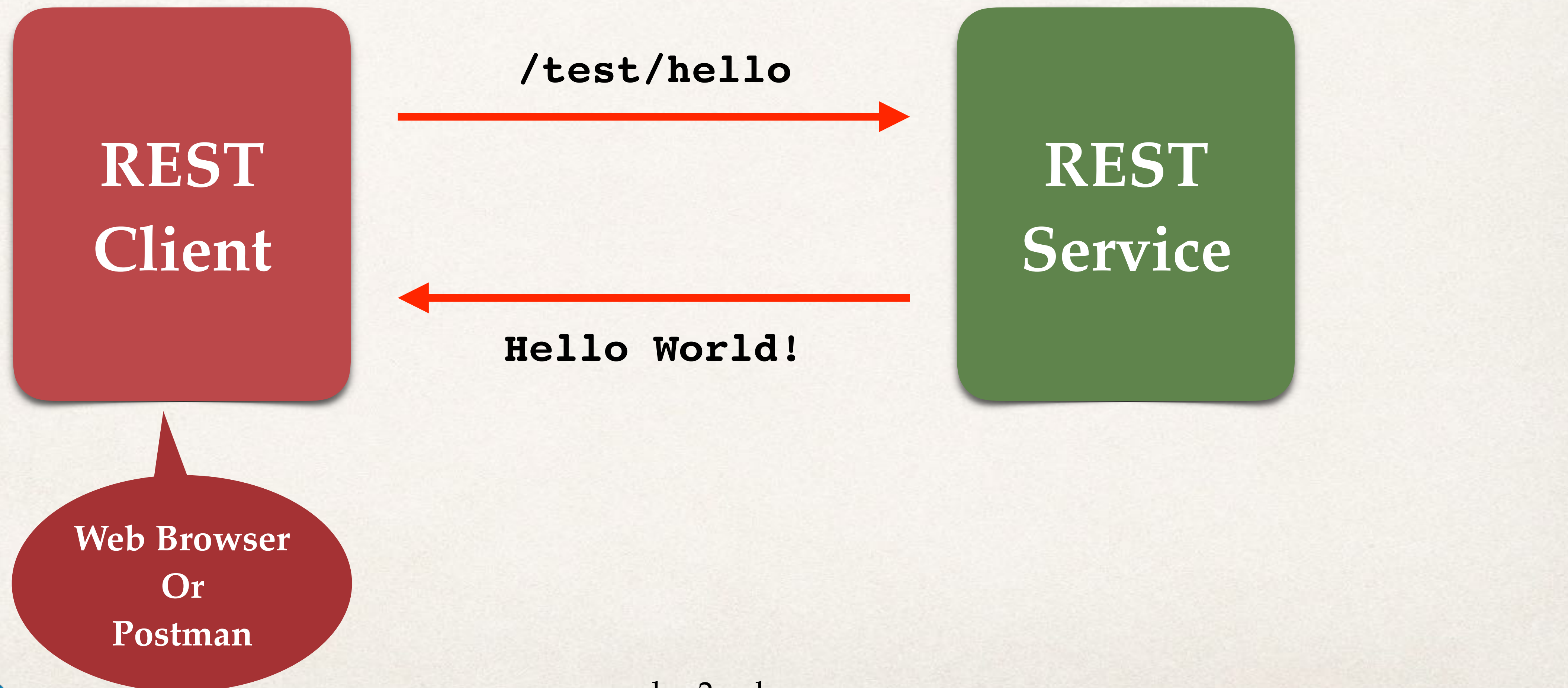
Spring REST Hello World



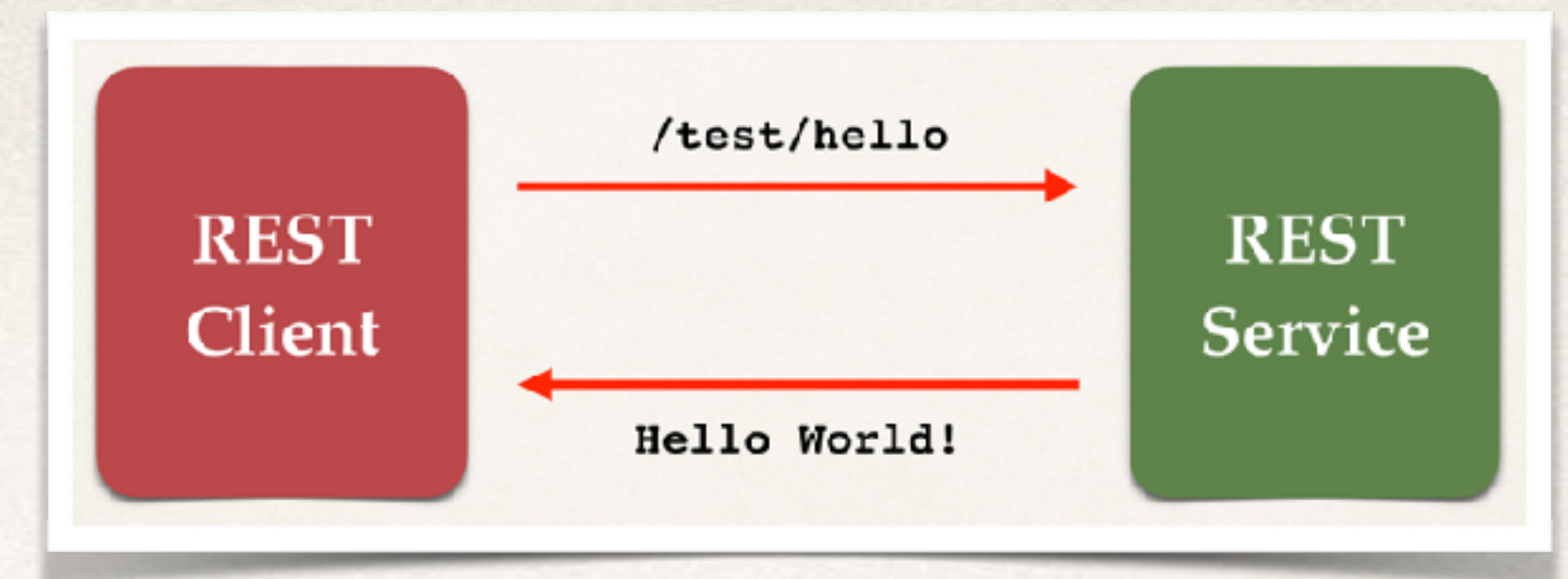
Spring REST Hello World



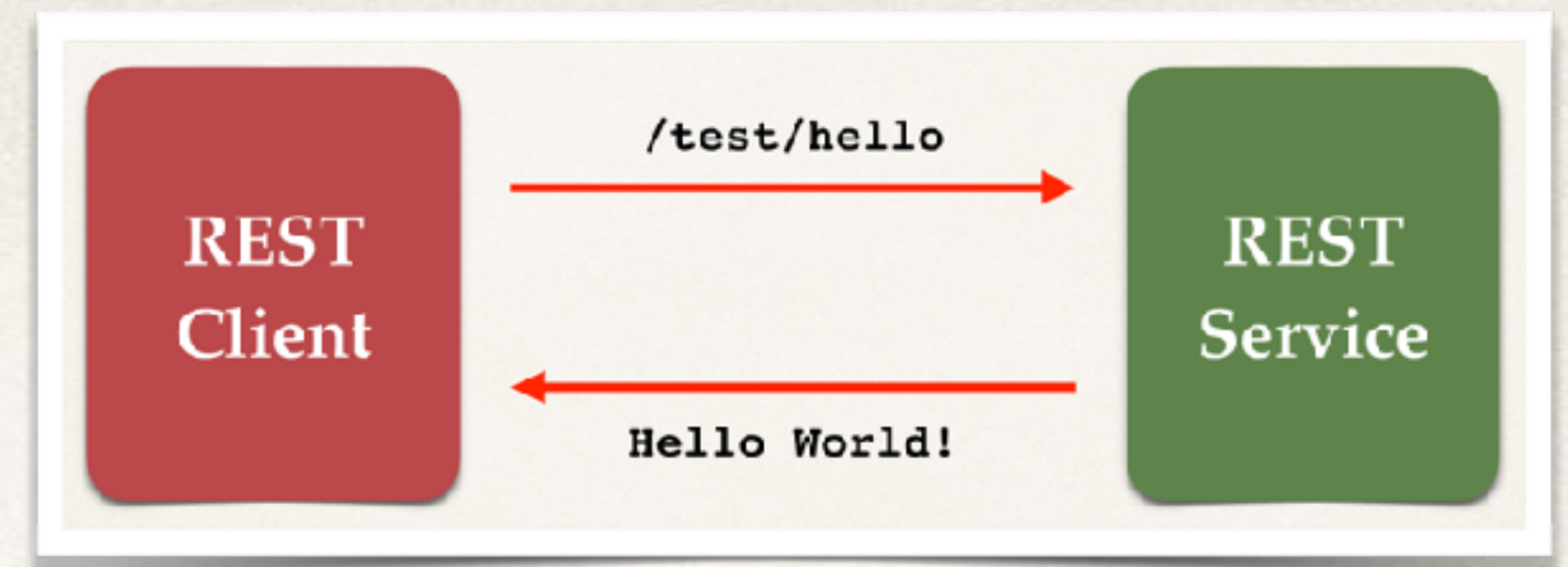
Spring REST Hello World



Spring REST Controller



Spring REST Controller

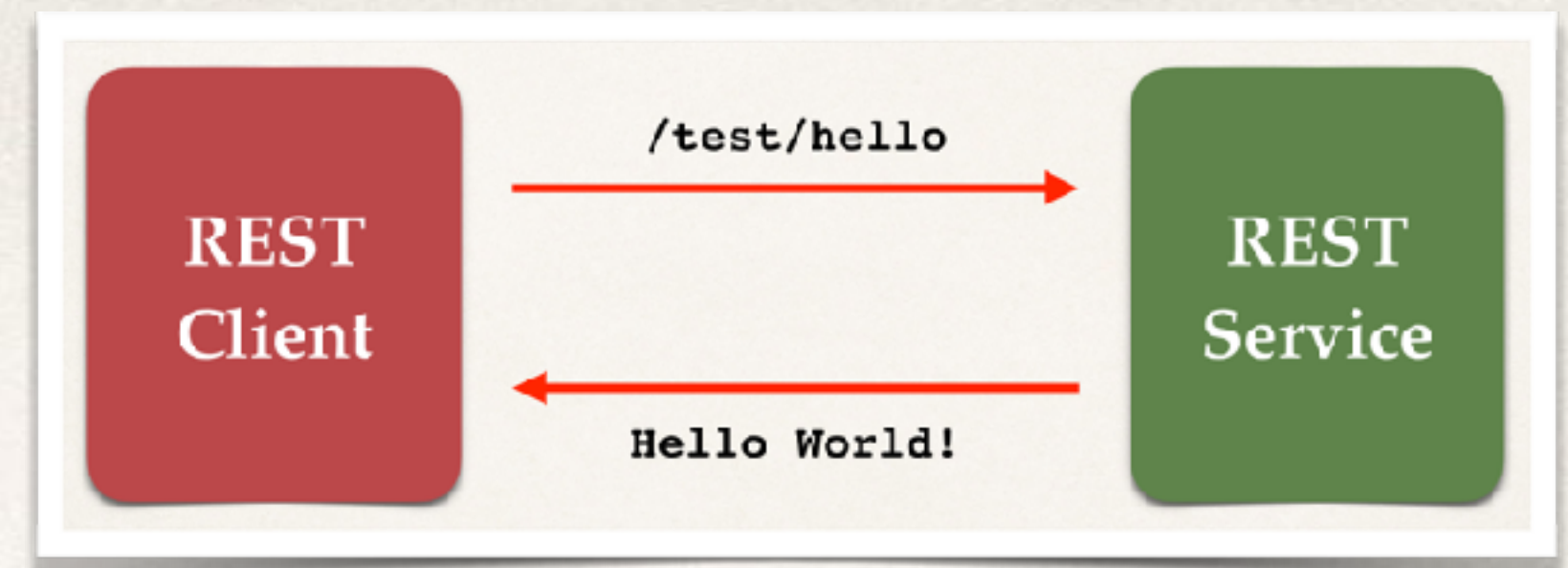


```
@RestController
@RequestMapping("/test")
public class DemoRestController {
```


Spring REST Controller

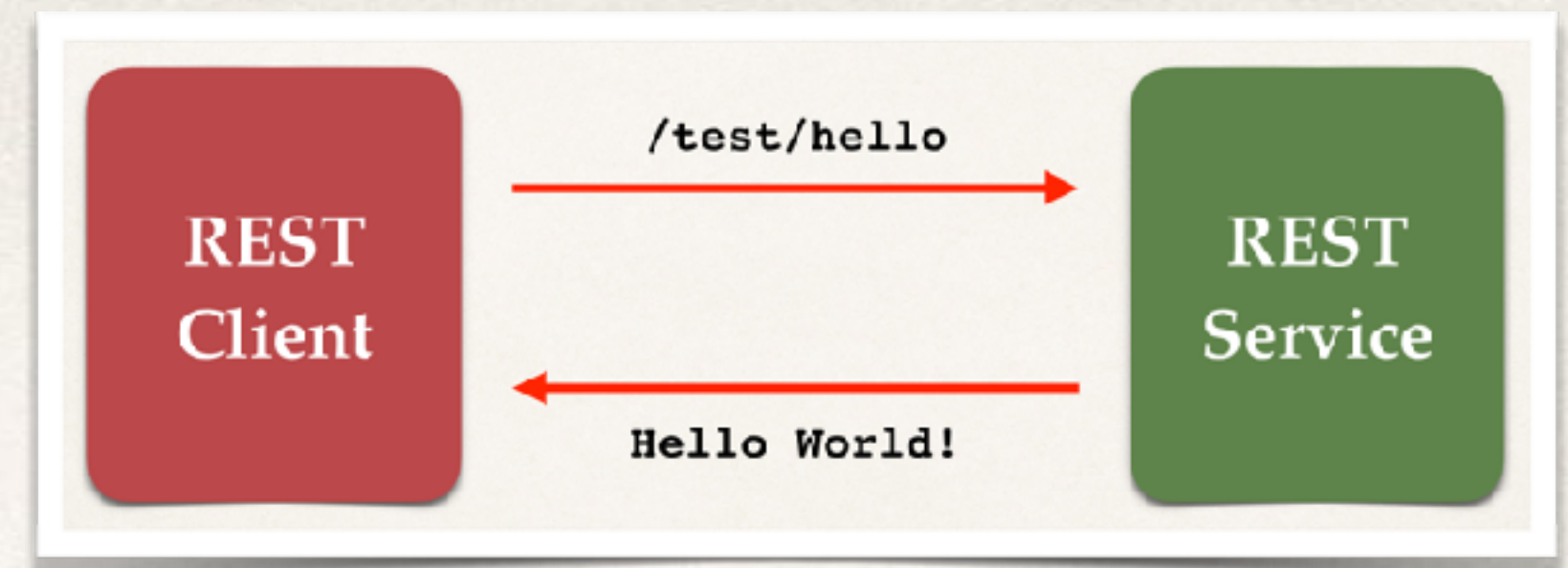
Adds REST support

```
@RestController  
@RequestMapping("/test")  
public class DemoRestController {
```



Spring REST Controller

Adds REST support



```
@RestController
@RequestMapping("/test")
public class DemoRestController {

    @GetMapping("/hello")
    public String sayHello() {
        return "Hello World!";
    }

}
```


Spring REST Controller

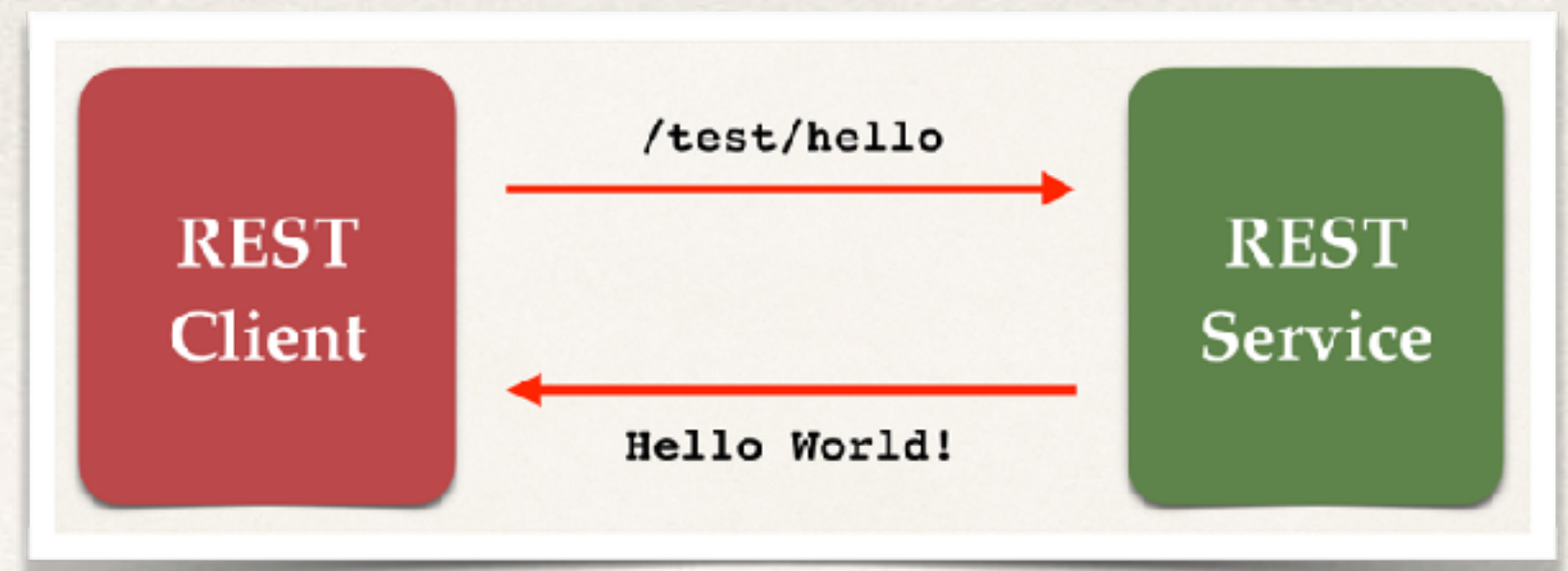
Adds REST support

```
@RestController
@RequestMapping("/test")
public class DemoRestController {

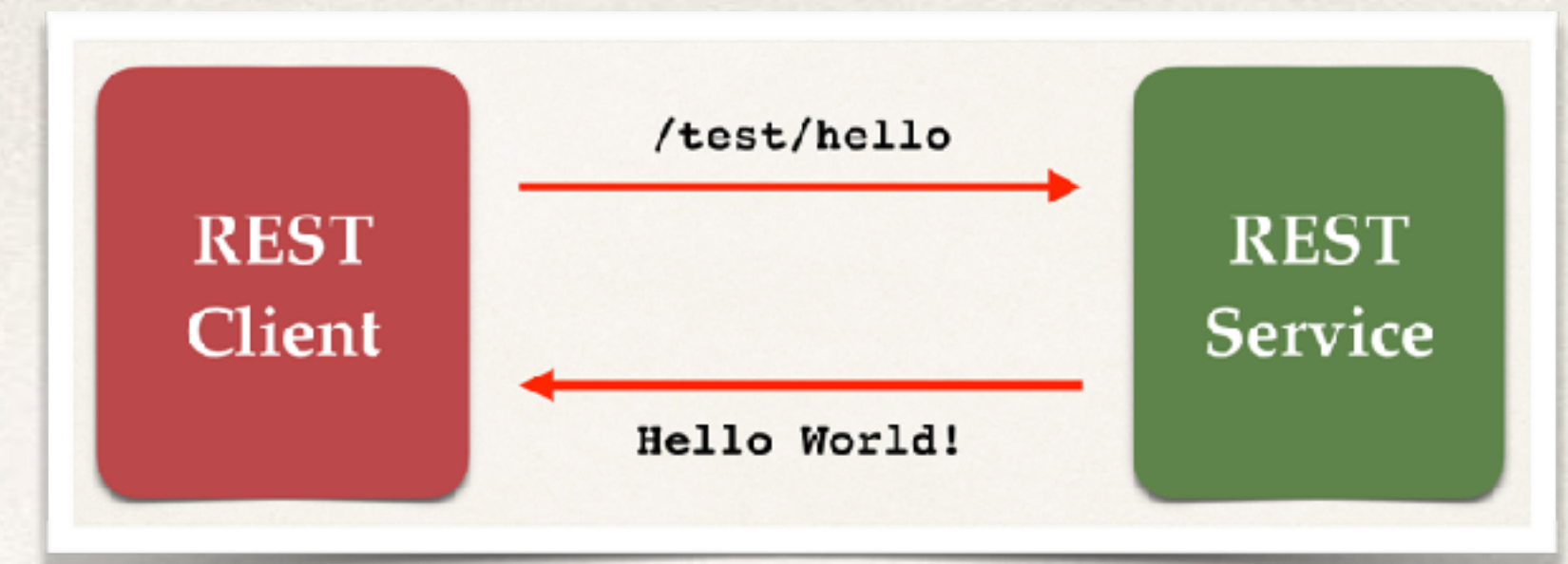
    @GetMapping("/hello")
    public String sayHello() {
        return "Hello World!";
    }

}
```

Access the REST endpoint at
`/test/hello`



Spring REST Controller



Adds REST support

```
@RestController
@RequestMapping("/test")
public class DemoRestController {

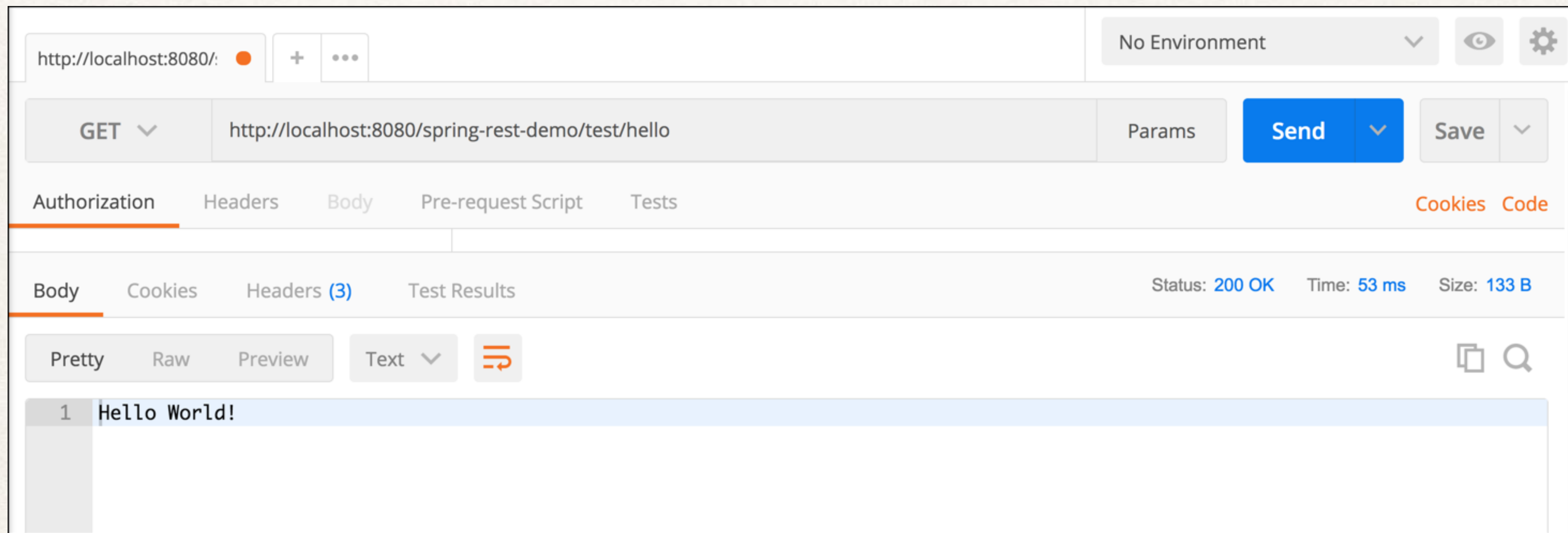
    @GetMapping("/hello")
    public String sayHello() {
        return "Hello World!";
    }
}
```

Access the REST endpoint at
/test/hello

Returns content to
client

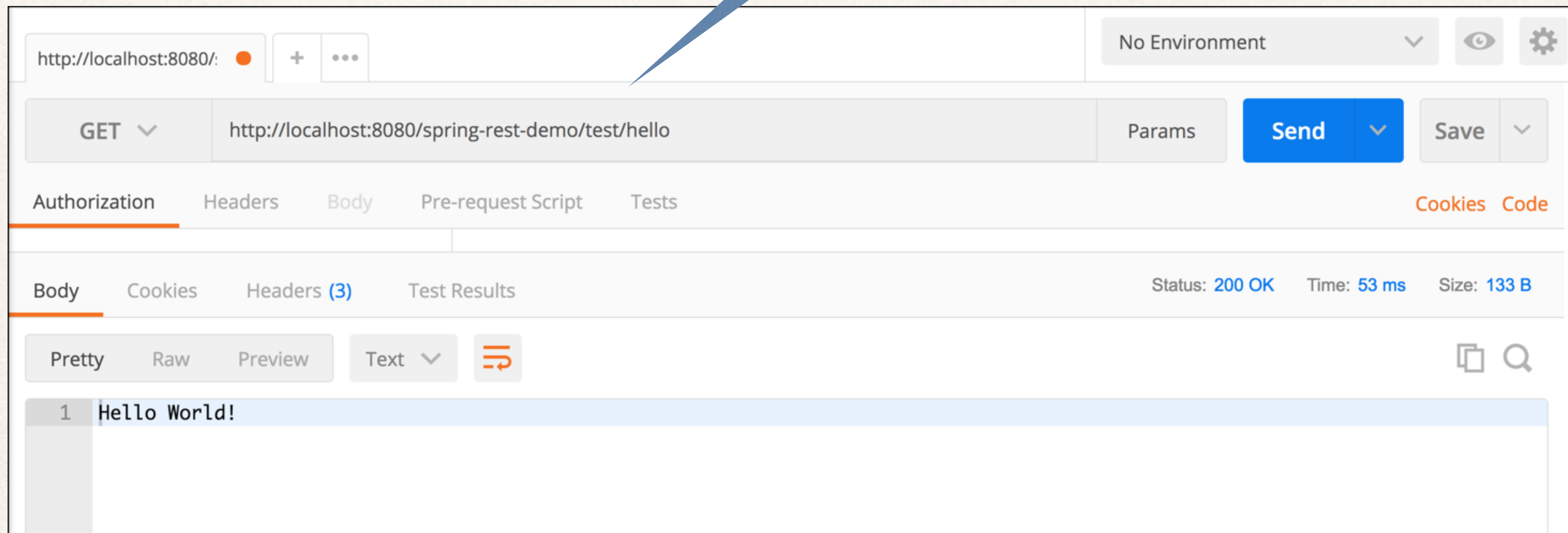
Testing with REST Client - Postman

Testing with REST Client - Postman



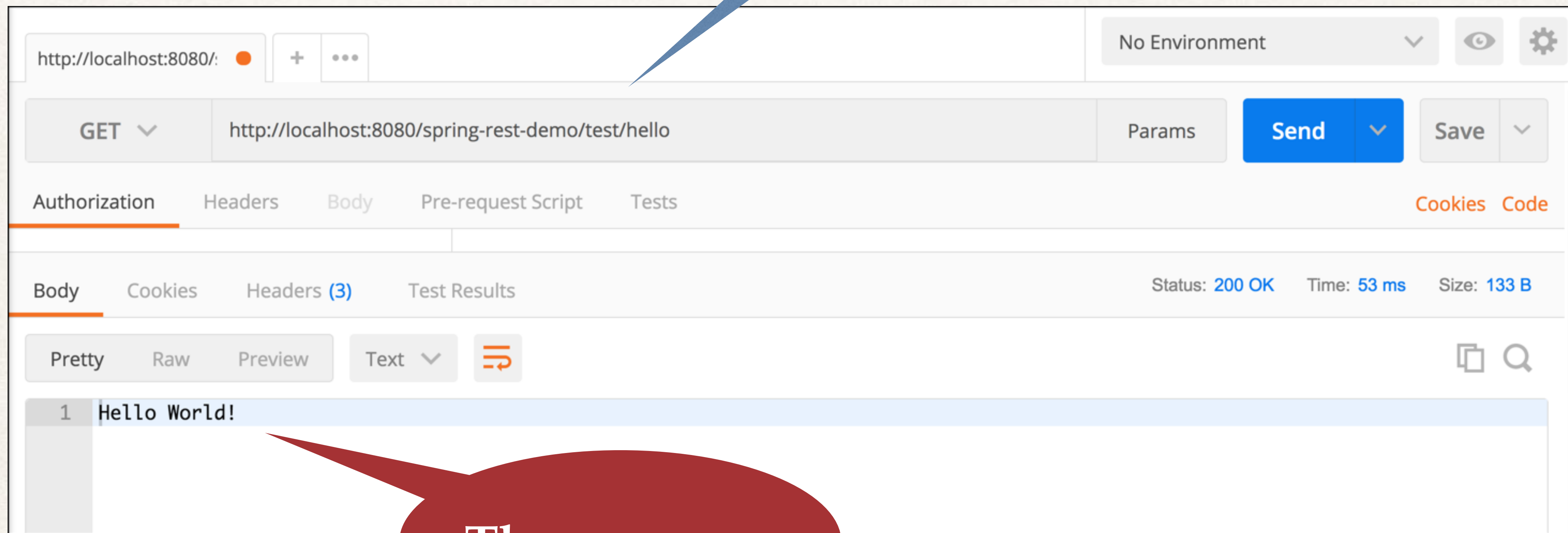
Testing with REST Client - Postman

Access the REST endpoint at
`/test/hello`



Testing with REST Client - Postman

Access the REST endpoint at
`/test/hello`



The response

Testing with REST Client - Web Browser

Testing with REST Client - Web Browser



Testing with REST Client - Web Browser



Access the REST endpoint at
`/test/hello`

Testing with REST Client - Web Browser



Access the REST endpoint at
`/test/hello`

The response

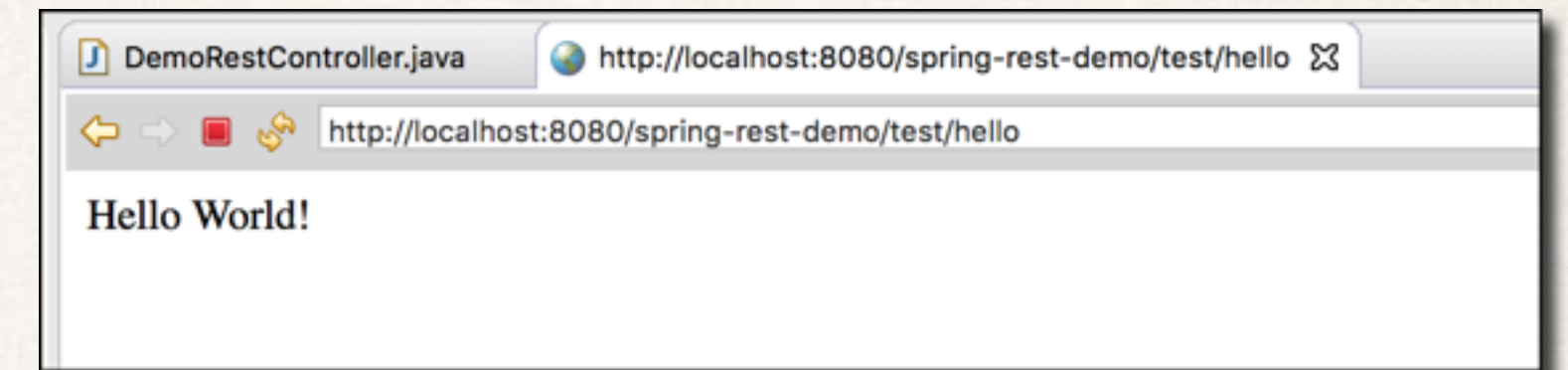
Web Browser vs Postman

Web Browser vs Postman

- For simple REST testing for GET requests

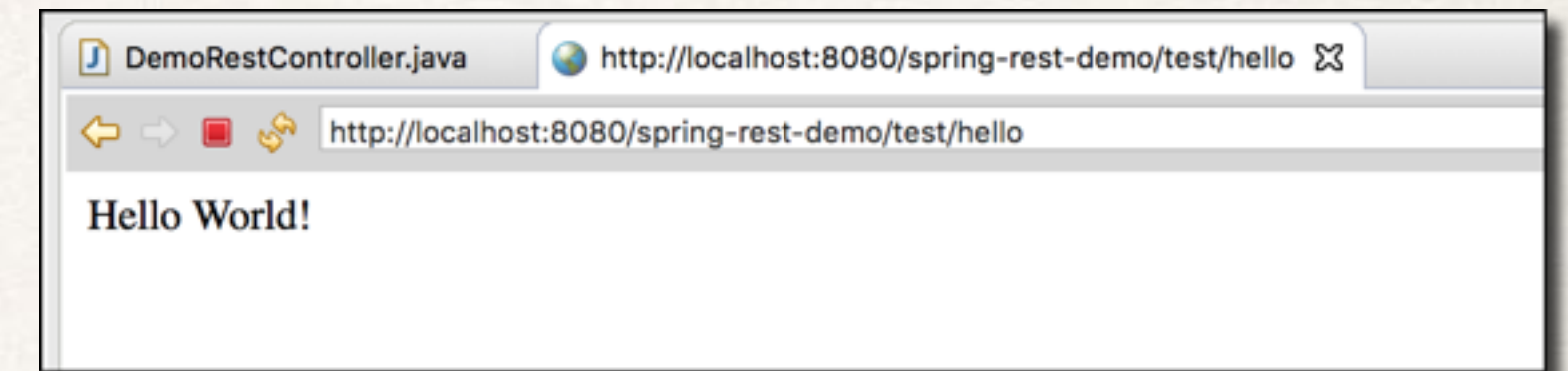
Web Browser vs Postman

- For simple REST testing for GET requests
- Web Browser and Postman are similar



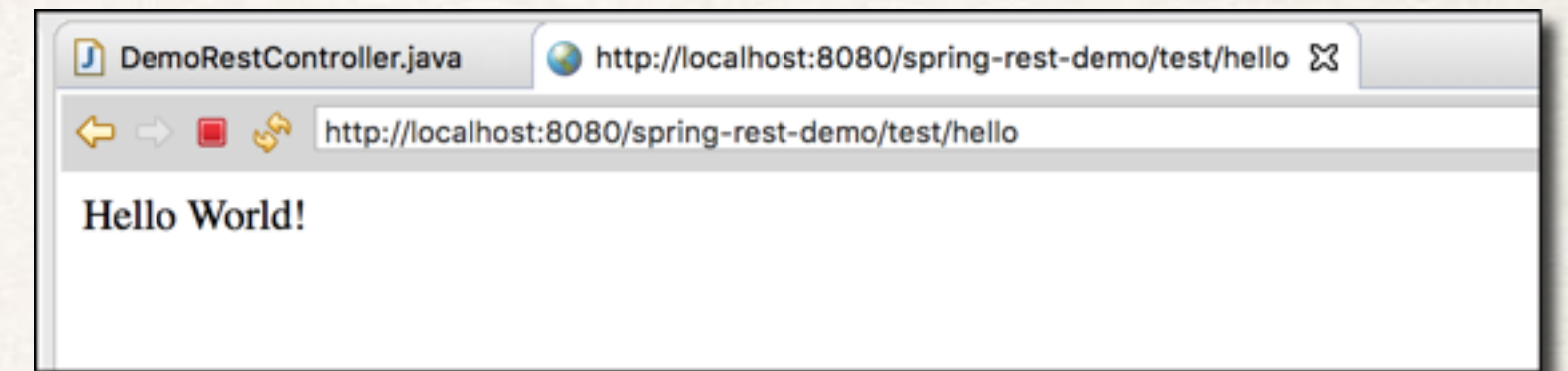
Web Browser vs Postman

- For simple REST testing for GET requests
 - Web Browser and Postman are similar
- However, for advanced REST testing: POST, PUT etc ...



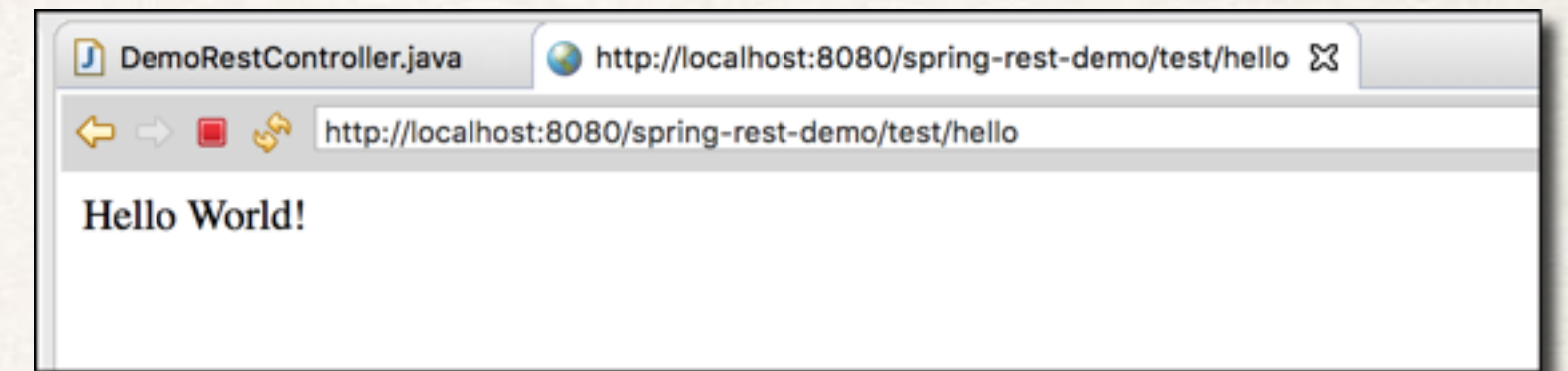
Web Browser vs Postman

- For simple REST testing for GET requests
 - Web Browser and Postman are similar
- However, for advanced REST testing: POST, PUT etc ...
 - Postman has much better support



Web Browser vs Postman

- For simple REST testing for GET requests
 - Web Browser and Postman are similar
- However, for advanced REST testing: POST, PUT etc ...
 - Postman has much better support
 - POSTing JSON data, setting content type



Web Browser vs Postman

- For simple REST testing for GET requests
 - Web Browser and Postman are similar
- However, for advanced REST testing: POST, PUT etc ...
 - Postman has much better support
 - POSTing JSON data, setting content type
 - Passing HTTP request headers, authentication etc ...

