

# Steps to run the Spring-boot application

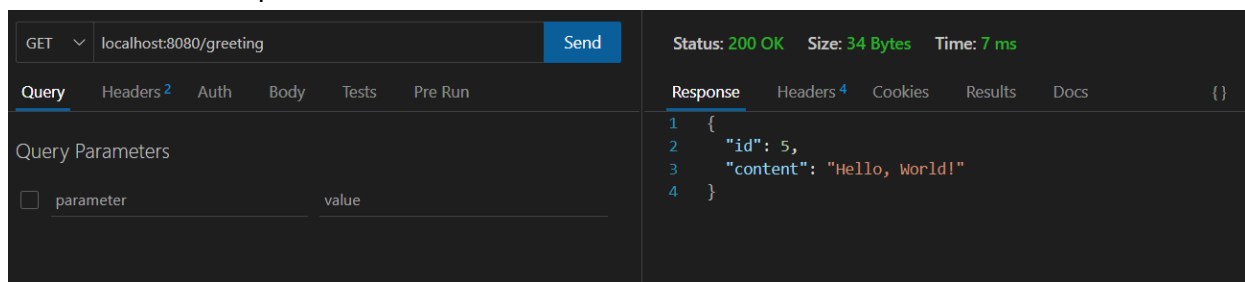
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**Open Terminal/Command Prompt:** Navigate to the root directory of your Spring Boot project.

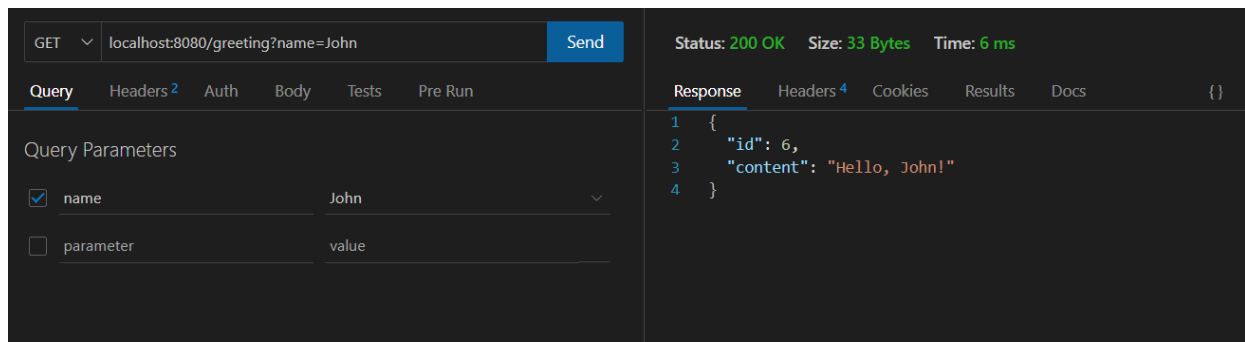
**Run the Spring Boot Application:** Execute the following command

```
mvn spring-boot:run
```

**Access the Application:** By default, the application runs on port 8080. You can open a browser and access the endpoint:



Testing Endpoints with parameters:



**Opening an Endpoint:** In your project, the endpoint /greeting is opened using the `@GetMapping("/greeting")` annotation in the GreetingController class. This tells Spring that this method will handle HTTP GET requests sent to this path.

**Client Sends Request:** When a client (browser or Postman) sends an HTTP GET request to the endpoint, the Spring Boot application receives this request through the controller class (GreetingController).

**Processing the Request:** The `greeting()` method in the controller processes the request. If the request contains a query parameter like `name=John`, it uses this parameter in the response. If not, it defaults to "World". The `Greeting` object is created and returned as a JSON response.