**Instruction to build and run the project.**

1. Install JDK 1.8
2. Install Maven
3. Install Postman
4. Install Eclipse IDE
5. Import the project as an existing Maven project into Eclipse
6. Or create a project, and copy the files from my GitHub page into the project.
7. To build the project:
8. Right click on project name -> Run AS -> Maven Clean
9. Right click on project name -> Run AS -> Maven Install
10. To start the server, click RUN in the Eclipse
11. Ensure the Tomcat was started.

**Functional Test.**

The API has an endpoint that accepts an integer number and will return the Fibonacci series for that number.

If a negative number is entered in the url, an error message will be displayed with instruction for the user to enter a number greater than zero.

**To Test:**

Open Postman

select GET request

Enter this url: <http://localhost:8080/fibnumber/>

Then enter an integer number like, 5

<http://localhost:8080/fibnumber/5>

Click Send

The Fibonacci output will be displayed in the response Body.

To test for negative number:

Remove the integer number from the URL

<http://localhost:8080/fibnumber/>

Then enter a negative number like, -1

<http://localhost:8080/fibnumber/-1>

Click Send

This output will be displayed in the response body:

{

"timestamp": "2019-06-26T06:47:37.215+0000",

"status": 400,

"error": "Bad Request",

"message": "Please enter a number that is greater than zero",

"path": "/fibnumber/-1"

}