ALGORITHM

Spring Boot Application:

1. Create a spring boot starter project with spring web dependency.
2. Configure config.xml with required dependencies.
3. Create an entity Eproduct Class with required properties
4. Create MainContoller.java. This class is a Spring `@Controller`, which means it handles incoming HTTP requests and returns responses.
5. SpringBootStarterApplication.java. This is the main class that serves as the entry point for the Spring Boot application.
6. It's annotated with `@SpringBootApplication`, which combines `@Configuration`, ` @EnableAutoConfiguration`, and ` @ComponentScan`.
7. The `main` method starts the Spring Boot application by calling `SpringApplication.run()`.
8. When the application is run, it will start a web server and listen on a port "7999".

AWS LAB :

1. Launch AWS LAB and start working on it.
2. Create a EC2 instance to deploy spring boot application on cloud.
3. Create a S3 Bucket to store the spring boot application jar file. Upload the jar file into S3 bucket this jar can be accessed by EC2 instance.
4. Connect the EC2 instance, now open command prompt on our system, use this command "ssh -i Downloads\MY-EC2-08-02-24.pem ec2-user@43.204.142.122" to connect to the EC2 virtual machine.

5. Install java on the virtual machine by command “sudo dnf install java-17-amazon-corretto”.
6. Now get the jar file from S3 bucket using “ wget JarName”.
7. Now run that jar file using command “java -jar JarName”.
8. Copy the public IP address of the instance and paste it in any browser.
9. https://ec2-3-86-251-184.compute-1.amazonaws.com:7999/ see for the output in the browser.
10. If required test all functionalities.