**WEEK-4**

**Spring REST using Spring Boot 3**

**Hands on 6: JWT Hands On: Create authentication service that returns JWT**

**1.pom.xml:**

<project xmlns="http://maven.apache.org/POM/4.0.0"

         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

         xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

    <modelVersion>4.0.0</modelVersion>

    <groupId>com.example</groupId>

    <artifactId>jwt-auth-service</artifactId>

    <version>1.0.0</version>

    <packaging>jar</packaging>

    <name>JWT Auth Service</name>

    <description>Simple JWT authentication service</description>

    <parent>

        <groupId>org.springframework.boot</groupId>

        <artifactId>spring-boot-starter-parent</artifactId>

        <version>2.7.15</version>

        <relativePath/>

    </parent>

    <dependencies>

        <dependency>

            <groupId>org.springframework.boot</groupId>

            <artifactId>spring-boot-starter-web</artifactId>

        </dependency>

        <dependency>

            <groupId>io.jsonwebtoken</groupId>

            <artifactId>jjwt</artifactId>

            <version>0.9.1</version>

        </dependency>

    </dependencies>

    <build>

        <plugins>

            <plugin>

                <groupId>org.springframework.boot</groupId>

                <artifactId>spring-boot-maven-plugin</artifactId>

            </plugin>

        </plugins>

    </build>

</project>

**2.JwtAuthServiceApplication.java:**

package com.example.jwtauth;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.RestController;

@SpringBootApplication

public class JwtAuthServiceApplication {

    public static void main(String[] args) {

        SpringApplication.run(JwtAuthServiceApplication.class, args);

    }

}

@RestController

class HelloController {

    @GetMapping("/hello")

    public String hello() {

        return "Hello from JWT Auth Service!";

    }

}

**Output:**





