**JWT-handson**

**Create authentication service that returns JWT**

Code:

package com.example.demo.controller;

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

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

import java.nio.charset.StandardCharsets;

import java.util.Base64;

@RestController

public class AuthenticationController {

@GetMapping("/authenticate")

public String authenticate(@RequestHeader(name = "Authorization", required = false) String authHeader) {

if (authHeader == null || !authHeader.startsWith("Basic ")) {

return "Missing or invalid Authorization header";

}

// Extract Base64 encoded credentials

String base64Credentials = authHeader.substring("Basic ".length());

byte[] decodedBytes = Base64.getDecoder().decode(base64Credentials);

String credentials = new String(decodedBytes, StandardCharsets.UTF\_8);

// Split username and password tokens

final String[] values = credentials.split(":", 2);

if (values.length != 2) {

return "Invalid Authorization header format";

}

String username = values[0];

String password = values[1];

// Return extracted username and password

return "Username: " + username + ", Password: " + password;

}

}

Testing:

bash

curl -s -u user:pwd http://localhost:8090/authenticate