**Exercise - 6: Create authentication service that returns JWT**

import io.jsonwebtoken.Jwts;

import io.jsonwebtoken.SignatureAlgorithm;

import java.util.Date;

import java.util.HashMap;

import java.util.Map;

public class JwtAuthService {

private static final String ***SECRET\_KEY*** = "mysecretkey123";

public static void main(String[] args) {

String username = "user1";

String token = *generateToken*(username);

System.***out***.println("Generated JWT Token: " + token);

}

public static String generateToken(String username) {

Map<String, Object> claims = new HashMap<>();

claims.put("sub", username);

claims.put("created", new Date());

return Jwts.builder()

.setClaims(claims)

.setExpiration(new Date(System.*currentTimeMillis*() + 1000 \* 60 \* 60))

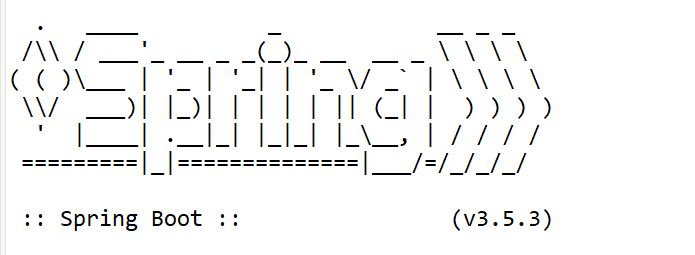
.signWith(SignatureAlgorithm.HS512, ***SECRET\_KEY***.getBytes())

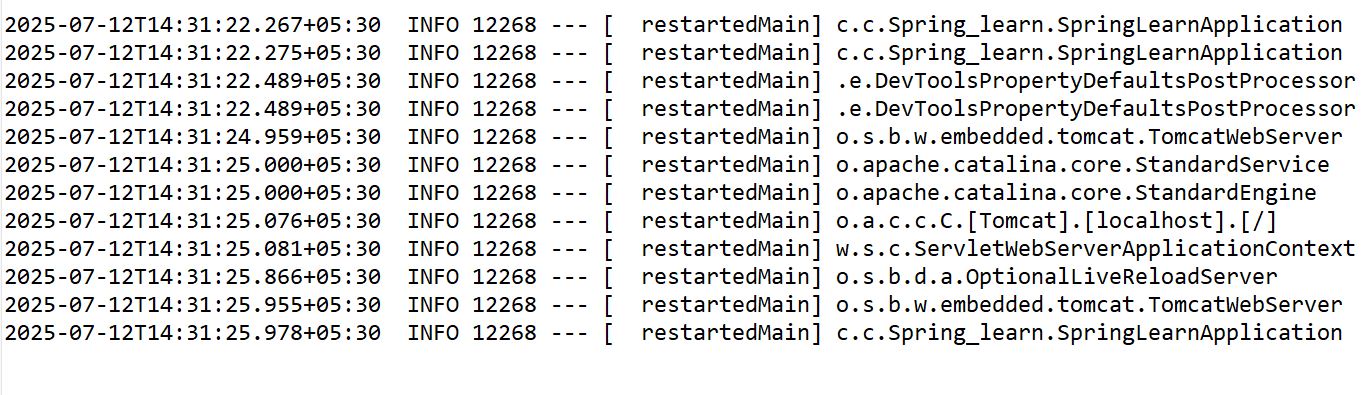
.compact();

}

}

OUTPUT

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