## Create authentication service that returns JWT:

```
package com.cognizant.spring_learn.security;
import org.springframework.context.annotation.Bean;
import org.springframework.context.annotation.Configuration;
org.springframework.security.config.annotation.web.builders.HttpSecurity;
org.springframework.security.config.annotation.web.configuration.EnableWebS
ecurity;
import org.springframework.security.core.userdetails.User;
import org.springframework.security.core.userdetails.UserDetailsService;
import org.springframework.security.crypto.bcrypt.BCryptPasswordEncoder;
import org.springframework.security.crypto.password.PasswordEncoder;
org.springframework.security.provisioning.InMemoryUserDetailsManager;
import org.springframework.security.web.SecurityFilterChain;
        return new BCryptPasswordEncoder();
    public UserDetailsService userDetailsService(PasswordEncoder encoder) {
        InMemoryUserDetailsManager <mark>manager = new</mark>
InMemoryUserDetailsManager();
        manager.createUser(User.withUsername("user")
                .build());
        manager.createUser(User.withUsername("admin")
                .password(encoder.encode("pwd"))
                .roles("ADMIN")
                .build());
        return manager;
                      HttpRequests ()
                .requestMatchers("/authenticate").hasAnyRole("USER",
"ADMIN")
            .httpBasic();
        return http.build();
```

```
ackage com.cognizant.spring learn.security;
import org.springframework.context.annotation.Bean;
import org.springframework.context.annotation.Configuration;
org.springframework.security.config.annotation.web.builders.HttpSecurity;
org.springframework.security.config.annotation.web.configuration.EnableWebS
mport org.springframework.security.core.userdetails.User;
mport org.springframework.security.core.userdetails.UserDetailsService;
import org.springframework.security.crypto.password.PasswordEncoder;
org.springframework.security.provisioning.InMemoryUserDetailsManager;
import org.springframework.security.web.SecurityFilterChain;
        return new BCryptPasswordEncoder();
    public UserDetailsService userDetailsService(PasswordEncoder encoder) {
        InMemoryUserDetailsManager manager = new
InMemoryUserDetailsManager();
        manager.createUser(User.withUsername("user")
                .password(encoder.encode("pwd"))
                .build());
        manager.createUser(User.withUsername("admin")
                .password(encoder.encode("pwd"))
                .build());
        return manager;
       http.csrf().disable()
            .authorizeHttpRequests()
                .requestMatchers("/countries/**",
"/country/**").hasRole("USER")
                .anyRequest().authenticated()
        return http.build();
```

```
?xml version="1.0" encoding="UTF-8"?
                 <artifactId>spring-boot-devtools</artifactId>
```

## Output:

