Without Lambda

1. Lambda-Based Configuration:

- The first block of code (commented out) demonstrates configuring the HttpSecurity object using lambdas.
- The lambda expressions simplify the code by allowing concise, in-line customization.
- Code like http.csrf(csrfCustomizer -> csrfCustomizer.disable()); and http.authorizeHttpRequests(request -> request.anyRequest().authenticated()); show how easy it is to express configurations using lambda expressions.

2. Without Lambda Configuration:

- The second block of code (also commented out) shows an equivalent configuration without using lambdas.
- A Customizer implementation is explicitly created and passed to methods like http.csrf() and http.authorizeHttpRequests().
- This approach is more verbose and may be preferable for those who need clearer readability or are working in environments without lambda support.

3. Functional Configuration (Lambda-based):

- The last block of code is an active configuration using lambda expressions for better readability and conciseness.
- Each configuration aspect (e.g., disabling CSRF, configuring HTTP basic authentication, and session management) is compactly expressed.

SecurityConfig.java

```
@Configuration
@EnableWebSecurity
public class SecurityConfig {
       @Bean
      public SecurityFilterChain securityFilterChain(HttpSecurity http) throws Exception {
              http.csrf(customizer->customizer.disable());
              http.authorizeHttpRequests(request->request.anyRequest().authenticated());
              http.formLogin(Customizer.withDefaults());
              http.httpBasic(Customizer.withDefaults());
              http.sessionManagement(session-
>session.sessionCreationPolicy(SessionCreationPolicy.STATELESS));
             return http.build();
//without lambda
       @Bean
      public SecurityFilterChain securityFilterChain(HttpSecurity http) throws Exception {
              Customizer<CsrfConfigurer<HttpSecurity>> custCsrf= new
Customizer<CsrfConfigurer<HttpSecurity>>() {
                     @Override
                     public void customize(CsrfConfigurer<HttpSecurity> configure) {
                     configure.disable();
              http.csrf(custCsrf);
       Customizer<AuthorizeHttpRequestsConfigurer<HttpSecurity>.AuthorizationManagerR
equestMatcherRegistry> custHttp= new
Customizer<AuthorizeHttpRequestsConfigurer<HttpSecurity>.AuthorizationManagerRequest
MatcherRegistry>() {
                     @Override
                     public void
customize(AuthorizeHttpRequestsConfigurer<HttpSecurity>.AuthorizationManagerRequestMa
tcherRegistry request) {
                            request.anyRequest().authenticated();
              http.authorizeHttpRequests(custHttp);
              return http.build();
```