OAuth stands for "Open Authorization"

OAuth 2.0 is an authorization protocol and NOT an authentication protocol. As such, it is designed primarily as a means of granting access to a set of resources, for example, remote APIs or user's data.

The Client requests authorization (*authorization request*) from the Authorization server, supplying the client id and secret to as identification; it also provides the scopes and an endpoint URI (*redirect URI*) to send the Access Token or the Authorization Code to

Steps to generate google OAuth credentials

1. **Open Google Console.**
2. **API & services -> Credentials**
3. **Create credentials -> Aouth client cred***
4. **Fill details application type and name.**
5. **Add URLs**

API	APIs & Services	← Create OAuth client ID
⊕	Dashboard	**Authorized JavaScript origins** ❓
⊞	Library	For use with requests from a browser
⊙⇥	Credentials	URIs *
⦂	OAuth consent screen	https://localhost:8080
☑	Domain verification	+ ADD URI
≡⚙	Page usage agreements	
		Authorized redirect URIs ❓
		For use with requests from a web server
		URIs *
		https://localhost:8080/login/oauth2/code/google
		+ ADD URI
		CREATE CANCEL

6. **Create and copy client id and secrete key**

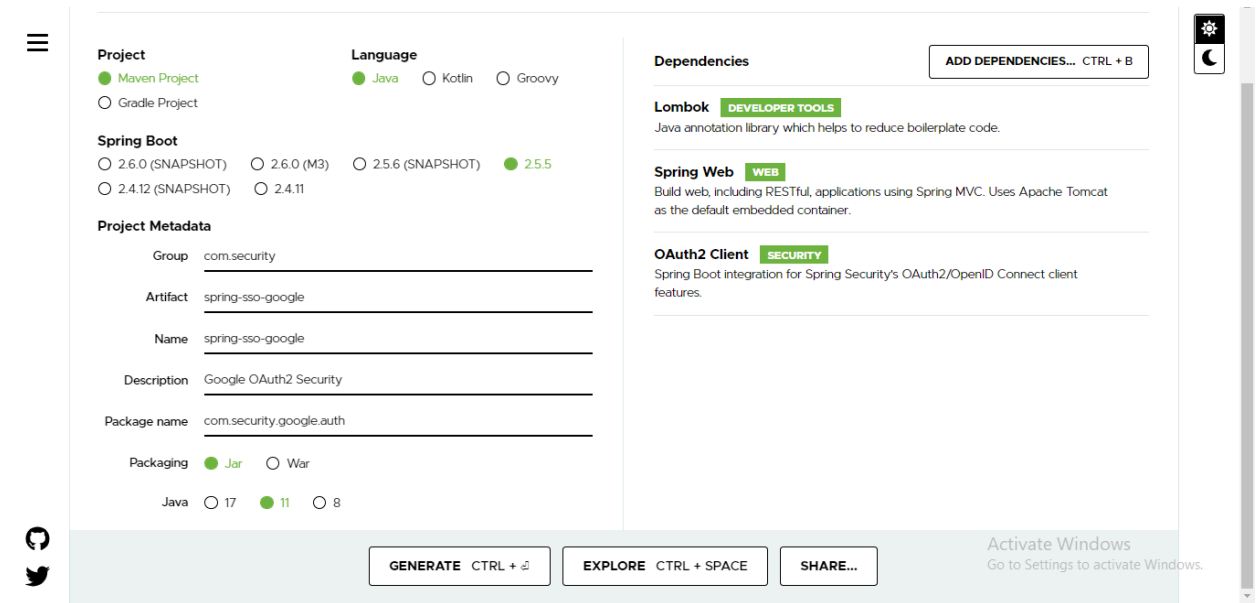   **Client id -**

   891256189398-ufra8fnjbsdecu9g62riefo99hm07gbq.apps.googleusercontent.com

   Key -

   K3-MZky8-Tl0mYTTTevAr095

   CREATE SPRING BOOT PROJECT

Coding part.

Write principal for getting user principal.

Create security congfig class and use `WebSecurityConfigurerAdapter`

adapter class allows the default implementation of listener interfaces