**Creating and running on Https on browser**

**SpringSslApplication.java:**

package com.ecommerce;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.context.annotation.ComponentScan;

@SpringBootApplication

@ComponentScan("com.ecommerce")

public class SpringSslApplication {

public static void main(String[] args) {

SpringApplication.*run*(SpringSslApplication.class, args);

}

}

**MainController.java**

package com.ecommerce.controllers;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Controller;

import org.springframework.stereotype.Repository;

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

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

@Controller

public class MainController {

@Autowired

private ProductRepository repository;

@RequestMapping("/")

@ResponseBody

public String index() {

return "This is running under SSL";

}

}

**ProductRepository.java**

package com.ecommerce.controllers;

import org.springframework.stereotype.Repository;

@Repository

public class ProductRepository {

}

**application.properties**

server.port=8443

server.ssl.key-alias=selfsigned\_localhost\_sslserver

server.ssl.key-password=changeit

server.ssl.key-store=classpath:ssl-server.jks

server.ssl.key-store-provider=SUN

server.ssl.key-store-type=JKS

To generate ssl-server.jks:

In the terminal window of your computer, type the following command:

keytool -genkey -alias selfsigned\_localhost\_sslserver -keyalg RSA -keysize 2048 -validity 700 -keypass

changeit -storepass changeit -keystore ssl-server.jks

For first and last name, enter localhost

For organizational unit, enter Website

For name of your organization, enter Website

For city or locality, enter New York

For State or Province, enter NY

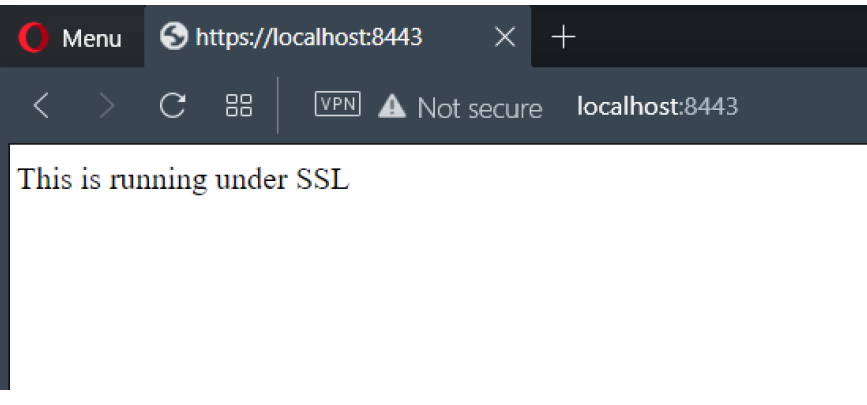
For two-letter country code, enter US

For final confirmation, enter yes

This will create a file called ssl-server.jks in your current working directory

Copy this file into the src->main->resources folder

**Output**

****