**Hands on 2**

**Spring Core – Load SimpleDateFormat from Spring Configuration XML**

SimpleDateFormat with the pattern ‘dd/MM/yyyy’ is created in multiple places of an application. To avoid creation of SimpleDateFormat in multiple places, define a bean in Spring XML Configuration file and retrieve the date.

* Open spring initiallizr

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* Do the following things as shown in the picture and then generate it.
* And then extract the generated folder and open it in IntelliJ.

**Step 1: Create the XML file date-format.xml**

src/main/resources > Right-click → New > File

Name it : date-format.xml

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**Code for date-format.xml:**

<?xml version="1.0" encoding="UTF-8"?>  
<beans xmlns="http://www.springframework.org/schema/beans"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
 xsi:schemaLocation="  
 http://www.springframework.org/schema/beans  
 https://www.springframework.org/schema/beans/spring-beans.xsd">  
  
 <bean id="dateFormat" class="java.text.SimpleDateFormat">  
 <constructor-arg value="dd/MM/yyyy"/>  
 </bean>  
  
</beans>

**Step 2: Add displayDate() method in SpringLearnApplication.java**

package com.cognizant.spring\_learn;  
  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
  
import java.text.SimpleDateFormat;  
import java.util.Date;  
  
@SpringBootApplication  
public class SpringLearnApplication {  
  
 public static void main(String[] args) throws Exception {  
 SpringApplication.*run*(SpringLearnApplication.class, args);  
 *displayDate*(); // call the method  
 }  
  
 public static void displayDate() throws Exception {  
 ApplicationContext context = new ClassPathXmlApplicationContext("date-format.xml");  
 SimpleDateFormat format = context.getBean("dateFormat", SimpleDateFormat.class);  
 Date date = format.parse("31/12/2018");  
 System.*out*.println("Parsed Date: " + date);  
 }  
}

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**OUTPUT of THE CODE :**

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