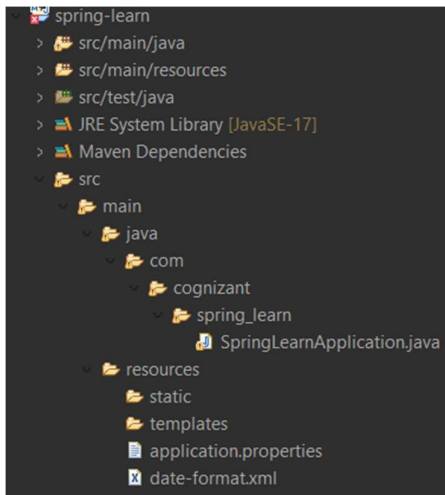


## Spring Core – Load SimpleDateFormat from Spring Configuration XML

### STEP 01:

Created spring configuration file date-format.xml in src/main/resources folder of 'spring-learn' project



### STEP 02:

Copied the code to 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 03:

Created new method `displayDate()` in `SpringLearnApplication.java` and also created `ApplicationContext` in the `displayDate()` method.

```

1 package com.cognizant.spring_learn;
2 import org.slf4j.Logger;
3 import org.slf4j.LoggerFactory;
4 import org.springframework.boot.SpringApplication;
5 import org.springframework.boot.autoconfigure.SpringBootApplication;
6 import java.text.SimpleDateFormat;
7 import java.text.ParseException;
8 import java.util.Date;
9 import org.springframework.context.ApplicationContext;
10 import org.springframework.context.support.ClassPathXmlApplicationContext;
11
12
13 @SpringBootApplication
14 public class SpringLearnApplication {
15
16     private static final Logger LOGGER = LoggerFactory.getLogger(SpringLearnApplication.class);
17
18     public static void displayDate() throws ParseException {
19         ApplicationContext context = new ClassPathXmlApplicationContext("date-format.xml");
20         SimpleDateFormat format = context.getBean("dateFormat", SimpleDateFormat.class);
21         String dateString = "31/12/2018";
22         Date date = format.parse(dateString);
23         System.out.println("Parsed Date: " + date);
24     }
25
26     public static void main(String[] args) throws ParseException {
27         SpringApplication.run(SpringLearnApplication.class, args);
28         LOGGER.info("Inside main");
29         displayDate();
30     }
31
32 }
33

```

Output:

```

  ____
 /  _ \
(  )_/
 \_/\_/_/

=====|=====|_/J/J/J

:: Spring Boot ::                (v3.5.3)

2025-07-17T01:11:32.199+05:30 INFO 47920 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : Starting SpringLearnApplication using Java 23.0.2 with PID 47920 (C
2025-07-17T01:11:32.200+05:30 INFO 47920 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : No active profile set, falling back to 1 default profile: "default"
2025-07-17T01:11:32.420+05:30 INFO 47920 --- [spring-learn] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8083 (http)
2025-07-17T01:11:32.421+05:30 INFO 47920 --- [spring-learn] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-17T01:11:32.421+05:30 INFO 47920 --- [spring-learn] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.42]
2025-07-17T01:11:32.444+05:30 INFO 47920 --- [spring-learn] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-17T01:11:32.444+05:30 INFO 47920 --- [spring-learn] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 241 ms
2025-07-17T01:11:32.544+05:30 INFO 47920 --- [spring-learn] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2025-07-17T01:11:32.558+05:30 INFO 47920 --- [spring-learn] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8083 (http) with context path '/'
2025-07-17T01:11:32.564+05:30 INFO 47920 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : Started SpringLearnApplication in 0.392 seconds (process running fo
2025-07-17T01:11:32.569+05:30 INFO 47920 --- [spring-learn] [ restartedMain] .ConditionEvaluationDeltaLoggingListener : Condition evaluation unchanged
2025-07-17T01:11:32.570+05:30 INFO 47920 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : Inside main

Parsed Date: Mon Dec 31 00:00:00 IST 2018

```