**Hands on Exercise 3 - Spring Core - Incorporate Logging**

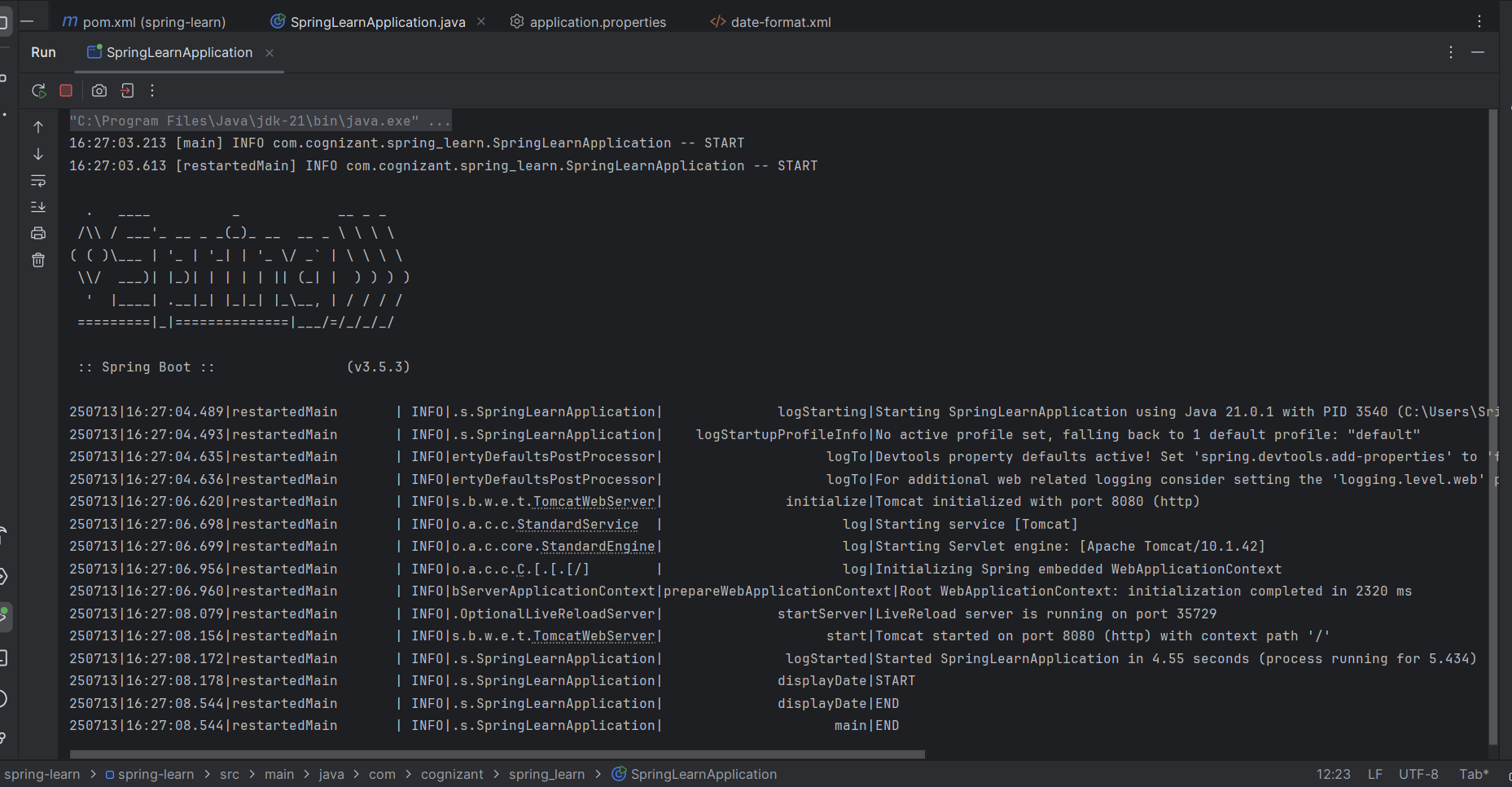
**CODE:**

**application.properties file: -**   
logging.level.org.springframework=info  
logging.level.com.cognizant.springlearn=debug  
  
logging.pattern.console=%d{yyMMdd}|%d{HH:mm:ss.SSS}|%-20.20thread|%5p|%-25.25logger{25}|%25M|%m%n

**Main class: -**

package com.cognizant.spring\_learn;  
import org.slf4j.Logger;  
import org.slf4j.LoggerFactory;  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
  
import java.text.ParseException;  
import java.text.SimpleDateFormat;  
import java.util.Date;  
  
@SpringBootApplication  
public class SpringLearnApplication {  
 private static final Logger *LOGGER* = LoggerFactory.*getLogger*(SpringLearnApplication.class);  
 public static void main(String[] args) {  
 *LOGGER*.info("START");  
 SpringApplication.*run*(SpringLearnApplication.class, args);  
 *displayDate*();  
 *LOGGER*.info("END");  
 }  
 public static void displayDate() {  
 *LOGGER*.info("START");  
 ApplicationContext context = new ClassPathXmlApplicationContext("date-format.xml");  
 SimpleDateFormat format = context.getBean("dateFormat", SimpleDateFormat.class);  
  
 try {  
 Date date = format.parse("31/12/2018");  
 *LOGGER*.debug("Parsed Date: {}", date);  
 } catch (ParseException e) {  
 *LOGGER*.error("Error parsing date", e);  
 }  
  
 *LOGGER*.info("END");  
 }  
}

**OUTPUT: -**

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