WEEK 4

Mandatory Hands-On

**Spring REST using Spring Boot**

**Hello World RESTful Web Service**

**Creating Controller Class:**

* A new package *com.cognizant.springlearn.controller* is created under package *com.cognizant.springlearn.*
* HelloController class is created under the package *com.cognizant.springlearn.controller.*

**Controller class:**

package com.cognizant.springlearn.controller;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

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

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

@RestController

public class HelloController {

private static final Logger LOGGER = LoggerFactory.getLogger(HelloController.class);

@GetMapping("/hello")

public String sayHello() {

LOGGER.info("START - sayHello()");

String response = "Hello World!!";

LOGGER.info("END - sayHello()");

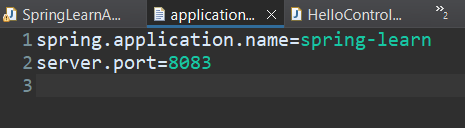
return response;

}

}

**Setting the Server Port:**

* In application.properties the server.port is set to 8083 to make sure application runs on port 8083.

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**Updated SpringLearnApplication class:**

package com.cognizant.springlearn;

import java.text.ParseException;

import java.text.SimpleDateFormat;

import java.util.Date;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

@SpringBootApplication

public class SpringLearnApplication {

public static void main(String[] args) {

SpringApplication.run(SpringLearnApplication.class, args);

displayDate();

}

public static void displayDate() {

ApplicationContext context = new ClassPathXmlApplicationContext("date-format.xml");

SimpleDateFormat format = context.getBean("dateFormat", SimpleDateFormat.class);

try {

Date date = format.parse("31/12/2018");

System.out.println("Parsed Date: " + date);

} catch (ParseException e) {

System.out.println("Failed to parse date: " + e.getMessage());

}

}

}

* The SpringLearnApplication is run as a Java Application.

**SME:**

* In chrome <http://localhost:8083/hello> is opened.
* In Network tab Hello request is tracked as the page is refreshed every time.

