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package com.fastcampus.ch2;

import java.util.Date;

import javax.servlet.http.HttpServletRequest;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.ExceptionHandler;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestParam;

@Controller
public class RequestParamTest {
    @ExceptionHandler(Exception.class)
    public String catcher(Exception ex) {
        return "yoilError";
    }

    @RequestMapping("/requestParam")
    public String main(HttpServletRequest request) {
        String year = request.getParameter("year");
        // http://localhost/ch2/requestParam ----> year=null
        // http://localhost/ch2/requestParam?year= ----> year=""
        // http://localhost/ch2/requestParam?year ----> year=""
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }

    // 필수적인 것은 아니고,
    @RequestMapping("/requestParam2")
    // public String main2(@RequestParam(name="year", required=false) String year) {
    // 아래와 동일
    public String main2(String year) {
        // http://localhost/ch2/requestParam2 ----> year=null string이기에
        year=null이 들어간다.
        // http://localhost/ch2/requestParam2?year ----> year="" string이기에
        year=빈칸이 들어간다.
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }

    @RequestMapping("/requestParam3")
    // public String main3(@RequestParam(name="year", required=true) String year)
    { // 아래와 동일
    public String main3(@RequestParam String year) {
        // http://localhost/ch2/requestParam3 ----> year=null 400 Bad
        Request. required=true라서
        // http://localhost/ch2/requestParam3?year ----> year=""
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }
}

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    @RequestMapping("/requestParam4")
    public String main4(@RequestParam(required = false) String year) {
//      http://localhost/ch2/requestParam4      ----> year=null
//      http://localhost/ch2/requestParam4?year  ----> year=""
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }

    @RequestMapping("/requestParam5")
    public String main5(@RequestParam(required = false, defaultValue = "1") String
year) {
//      http://localhost/ch2/requestParam5      ----> year=1
//      http://localhost/ch2/requestParam5?year  ----> year=1
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }

// =====
// int year의 차이

    @RequestMapping("/requestParam6")
    public String main6(int year) {
//      http://localhost/ch2/requestParam6      ----> 500
java.lang.IllegalStateException: Optional int parameter 'year' is present but
cannot be translated into a null value due to being declared as a primitive type.
Consider declaring it as object wrapper for the corresponding primitive type.
//      http://localhost/ch2/requestParam6?year  ----> 400 Bad Request, nested
exception is java.lang.NumberFormatException: For input string: ""
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }

    @RequestMapping("/requestParam7")
    public String main7(@RequestParam int year) {
//      http://localhost/ch2/requestParam7      ----> 400 Bad Request, Required
int parameter 'year' is not present
//      http://localhost/ch2/requestParam7?year  ----> 400 Bad Request, nested
exception is java.lang.NumberFormatException: For input string: ""
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }

    @RequestMapping("/requestParam8")
    public String main8(@RequestParam(required = false) int year) {
//      http://localhost/ch2/requestParam8 ----> 500
//      java.lang.IllegalStateException: Optional int parameter 'year' is
present but
//      cannot be translated into a null value due to being declared as a
primitive
//      type. Consider declaring it as object wrapper for the corresponding
primitive
//      type.
//      http://localhost/ch2/requestParam8?year ----> 400 Bad Request, nested
//      exception is java.lang.NumberFormatException: For input string: ""

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        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }

    @RequestMapping("/requestParam9")
    public String main9(@RequestParam(required = true) int year) {
        // http://localhost/ch2/requestParam9 ----> 400 Bad Request, Required int
        // parameter 'year' is not present
        // http://localhost/ch2/requestParam9?year ----> 400 Bad Request, nested
        // exception is java.lang.NumberFormatException: For input string: ""
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }

    @RequestMapping("/requestParam10")
    public String main10(@RequestParam(required = true, defaultValue = "1") int
year) {
        // http://localhost/ch2/requestParam10 ----> year=1
        // http://localhost/ch2/requestParam10?year ----> year=1
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }

    @RequestMapping("/requestParam11")
    public String main11(@RequestParam(required = false, defaultValue = "1") int
year) {
        // http://localhost/ch2/requestParam11 ----> year=1
        // http://localhost/ch2/requestParam11?year ----> year=1
        System.out.printf("[%s]year=[%s]%n", new Date(), year);
        return "yoil";
    }
} // class
```