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1 package stanford.guided_lab_309_5.SP7;
2
3 import org.springframework.format.annotation.
    DateTimeFormat;
4 import org.springframework.stereotype.Controller;
5 import org.springframework.web.bind.annotation.
    RequestMapping;
6 import org.springframework.web.bind.annotation.
    RequestParam;
7 import org.springframework.web.bind.annotation.
   .ResponseBody;
8
9 import java.time.LocalDate;
10 import java.time.LocalDateTime;
11 import java.util.Arrays;
12 import java.util.List;
13 import java.util.Map;
14
15 @Controller
16 class RequestParamController {
17     @RequestMapping("/request1")
18     @ResponseBody
19     public String handler(@RequestParam(name = "name"
20 ) String name) {
21         return "URL paramater <br> " + "name =" +
22         name;
23     }
24
25     @RequestMapping("/request2")
26     @ResponseBody
27     public String handler(@RequestParam String
28 firstName, @RequestParam String lastName) {
29         return "URL paramaters - <br>" + " firstName
30 = " + firstName + " <br>" + " lastName = " +
31         lastName;
32     }
33
34     @RequestMapping("/request3")
35     @ResponseBody
36     public String handler(@RequestParam("name")
37 String name, @RequestParam("age") int age,

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32         @RequestParam("amount")
    double amount, @RequestParam("active") boolean active
    ) {
33         return "URL paramater - <br>" + " name = " +
    name + " <br>" + " age = " + age + " <br>" + " amount
    = " + amount + " <br>"
34             + ">" + " active = " + active;
35     }
36
37     @RequestMapping("/request4")
38     @ResponseBody
39     public String handler(@RequestParam Map<String,
    String> params) {
40         StringBuilder builder = new StringBuilder();
41         builder.append("URL parameters - <br>");
42         for (Map.Entry<String, String> entry : params
    .entrySet()) {
43             builder.append(entry.getKey() + " = " +
    entry.getValue() + "<br>");
44
45         }
46         return builder.toString();
47     }
48
49     @RequestMapping("/request5")
50     @ResponseBody
51     public String handler(@RequestParam("firstName")
    String firstName,
52         @RequestParam(name = "
    middleName", required = false) String middleName,
53         @RequestParam("lastName")
    String lastName) {
54         return "URL parameters - <br>" + " firstName
    = " + firstName + " <br>" + " middleName = " +
    middleName + " <br>" + " " +
55             "lastName = " + lastName;
56     }
57
58     @RequestMapping("/request6")
59     @ResponseBody
60     public String handler(@DateTimeFormat(pattern = "

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60 yyyy-MM-dd") @RequestParam("date") LocalDate date,
61                               @DateTimeFormat(pattern =
    "HH:mm:ss") @RequestParam("time") LocalTime time) {
62     return "URL parameters - <br>" + " date = "
        + date + " <br>" + " time = " + time;
63 }
64 @RequestMapping("/request7")
65 @ResponseBody
66 public String handler(@RequestParam("country")
    String[] country,
67                       @RequestParam("city") List
        <String> city) {
68
69     return "URL parameters - <br>"
70         + " country = " + Arrays.asList(
    country) + " <br>"
71         + " city = " + city;
72 }
73 @RequestMapping("/request8")
74 @ResponseBody
75 public String handler(@RequestParam(name = "code
    ", defaultValue = "10") int code) {
76     return "URL parameters - <br>" + " code = "
        + code;
77 }
78
79 }
80

```