

Spring MVC

17 @RequestParam과 @ModelAttribute(1)



@RequestParam과 @ModelAttribute

1. @RequestParam

요청의 파라미터를 연결할 매개변수에 붙이는 애너테이션

[/ch2/RequestParamTest.java]

```
@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
//     http://localhost/ch2/requestParam2?year  ---->> year=""
    System.out.printf("[%s]year=[%s]%n", new Date(), year);
    return "yoil";
}
```

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

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@RequestParam과 @ModelAttribute

1. @RequestParam

요청의 파라미터를 연결

[/ch2/RequestParamTest.java]

```
@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";
}
```

```
@RequestMapping("/requestParam8")
public String main8(@RequestParam(required=false) int year) {
    // http://localhost/ch2/requestParam8 ---->> 500 java.lang.IllegalStateException: Optional int parameter 'year' is
    // http://localhost/ch2/requestParam8?year ---->> 400 Bad Request, nested exception is java.lang.NumberFormatException:
    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
    // http://localhost/ch2/requestParam9?year ---->> 400 Bad Request, nested exception is java.lang.N
    System.out.printf("[%s]year=[%s]%n", new Date(), year);
    return "yoil";
}
```



Spring MVC

18 @RequestParam과 @ModelAttribute(2)



@RequestParam과 @ModelAttribute

2. @ModelAttribute

적용 대상을 Model

```
private @ModelAttribute("yoil") char getYoil(MyDate date) {  
    return getYoil(date.getYear(), date.getMonth(), date.getDay());  
}
```

반환 타입 또는 컨트롤러 메서드의 매개변수에 적용 가능

```
@RequestMapping("/getYoilMVC5")  
// public String main(@ModelAttribute("myDate") MyDate date, Model m) {  
public String main(@ModelAttribute MyDate date, Model m) { // 위와 동일  
//...  
    char yoil = getYoil(date);  
  
    // 3. Model에 작업한 결과를 저장  
    m.addAttribute("myDate", date);  
    m.addAttribute("yoil", yoil);  
  
    // 4. 작업 결과를 보여줄 뷰의 이름을 반환  
    return "yoil";  
}
```



@RequestParam과 @ModelAttribute

3. WebDataBinder

```
@RequestMapping("/getYoilMVC5")
public String main(@ModelAttribute MyDate date, BindingResult result) {
```

http://localhost/ch2/getYoilMVC5?year=2021&month=10&day=1

