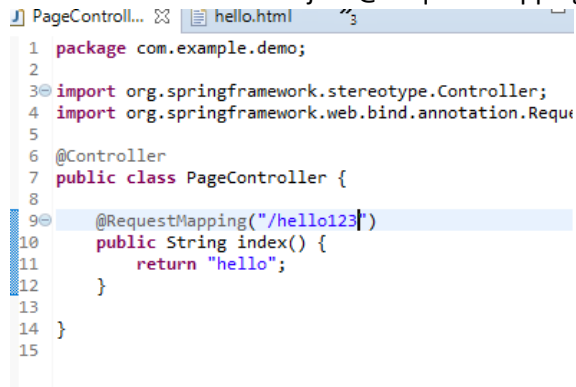


1. Ganti baris tersebut menjadi `@RequestMapping("/hello123")`



```
1 package com.example.demo;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.RequestMapping;
5
6 @Controller
7 public class PageController {
8
9     @RequestMapping("/hello123")
10    public String index() {
11        return "hello";
12    }
13
14 }
15
```

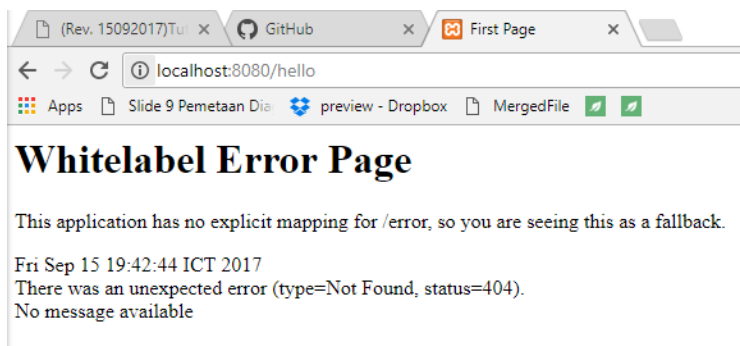
Pertanyaan:

Apakah compile error?

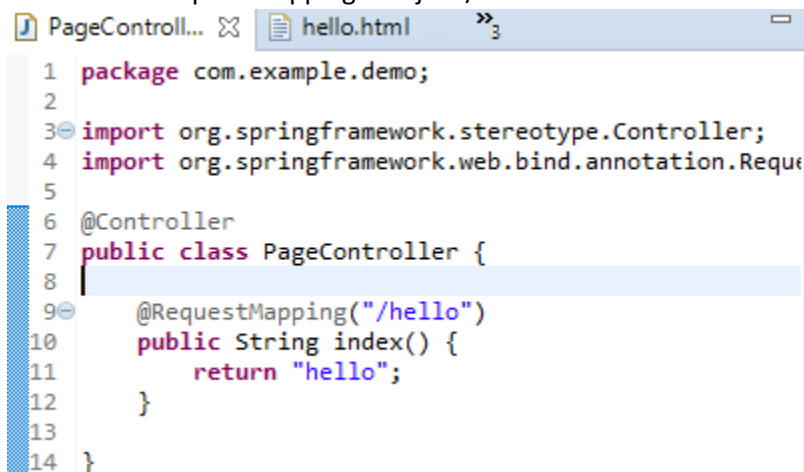
Tidak

Jika tidak, stop Spring Boot yang sedang berjalan, run kembali dan buka localhost:

8080/hello apa yang terjadi?

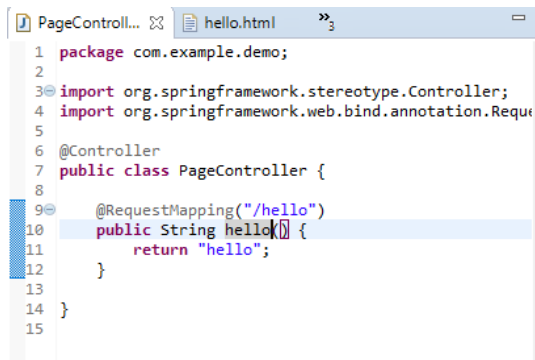


Kembalikan RequestMapping menjadi /hello



```
1 package com.example.demo;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.RequestMapping;
5
6 @Controller
7 public class PageController {
8
9     @RequestMapping("/hello")
10    public String index() {
11        return "hello";
12    }
13
14 }
```

2. Ganti nama method index() dengan nama method hello()



```
1 package com.example.demo;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.RequestMapping;
5
6 @Controller
7 public class PageController {
8
9     @RequestMapping("/hello")
10    public String hello() {
11        return "hello";
12    }
13
14 }
15
```

Pertanyaan:

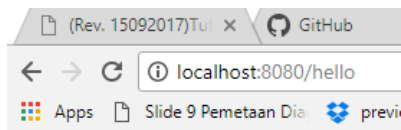
Apakah compile error?

Tidak

Jika tidak, Stop Spring Boot yang sedang berjalan, run kembali dan buka localhost:

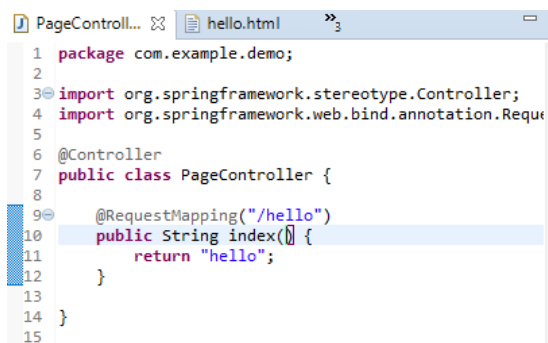
8080/hello apakah page hello sebelumnya masih muncul?

Ya



Hello, world

Kembalikan nama method menjadi index()



```
1 package com.example.demo;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.RequestMapping;
5
6 @Controller
7 public class PageController {
8
9     @RequestMapping("/hello")
10    public String index() {
11        return "hello";
12    }
13
14 }
15
```

3. Ganti string return type menjadi return "hello123";

```
PageControll... hello.html
1 package com.example.demo;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.RequestMapping;
5
6 @Controller
7 public class PageController {
8
9     @RequestMapping("/hello")
10    public String index() {
11        return "hello123";
12    }
13 }
14
15
```

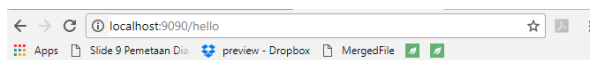
Pertanyaan:

Apakah compile error?

Tidak

Jika tidak, Stop Spring Boot yang sedang berjalan, run kembali dan buka localhost:8080/hello apakah page hello sebelumnya masih muncul?

Tidak



Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Fri Sep 15 20:26:47 ICT 2017

There was an unexpected error (type=Internal Server Error, status=500).

Error resolving template "hello123", template might not exist or might not be accessible by any of the configured Template Resolvers

Kembalikan return type menjadi "hello"

```
PageControll... application....
1 package com.example.demo;
2
3 import org.springframework.stereotype.Controller;
4
5
6 @Controller
7 public class PageController {
8
9     @RequestMapping("/hello")
10    public String index() {
11        return "hello";
12    }
13 }
14
15
```

Pertanyaan:

Menandakan apakah String yang di-return tersebut?

Menghubungkan antara Controller dengan View, sehingga nama harus sama, yaitu return nama file html nya.

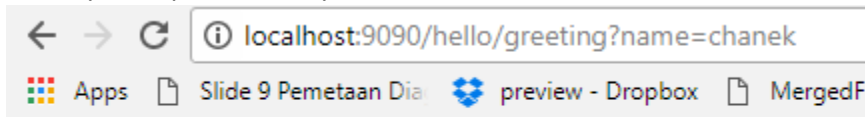
Latihan Request Parameter

1. Ubah nilai anotasi RequestMapping dari "/greeting" menjadi "/hello/greeting"

```
PageControll...  greeting.html  »3
1 package com.example.demo;
2
3 import org.springframework.stereotype.Controller;
4
5
6
7
8 @Controller
9 public class PageController {
10
11     @RequestMapping("/hello")
12     public String index() {
13         return "hello";
14     }
15     @RequestMapping("/hello/greeting")
16     public String greeting(@RequestParam(value = "name", required = true) String name) {
17         model.addAttribute("name", name);
18         return "greeting";
19     }
20 }
```

Buka localhost: 8080/hello/greeting?name=chanek

Pertanyaan: apakah hasilnya?



Selamat datang chanek!

Kembalikan request map menjadi @RequestMapping("/greeting")

```
PageControll...  greeting.html  »3
1 package com.example.demo;
2
3 import org.springframework.stereotype.Controller;
4
5
6
7
8 @Controller
9 public class PageController {
10
11     @RequestMapping("/hello")
12     public String index() {
13         return "hello";
14     }
15     @RequestMapping("/greeting")
16     public String greeting(@RequestParam(value = "name", required = true) String name) {
17         model.addAttribute("name", name);
18         return "greeting";
19     }
20 }
```

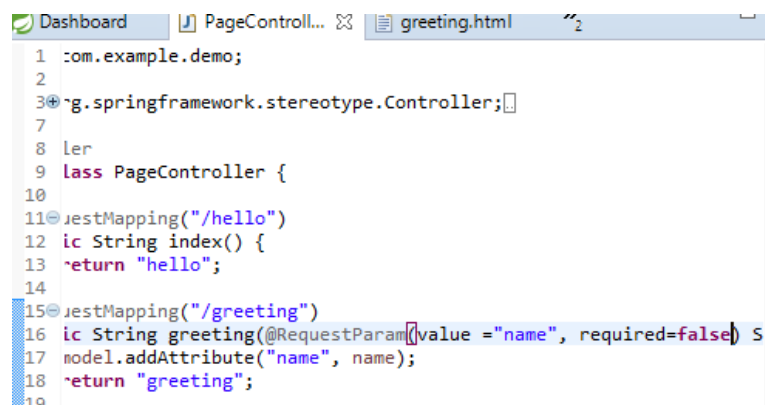
2. Akses localhost: 8080/greeting

Pertanyaan: Apakah hasilnya?



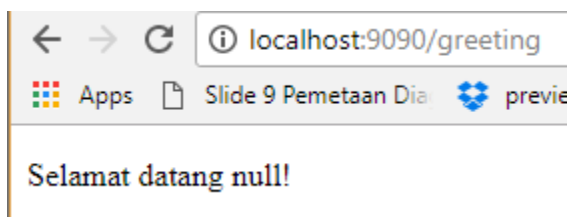
Ubah header method greeting menjadi seperti berikut

```
public String greeting (@RequestParam(value = "name", required = false) String
name, Model model)
```



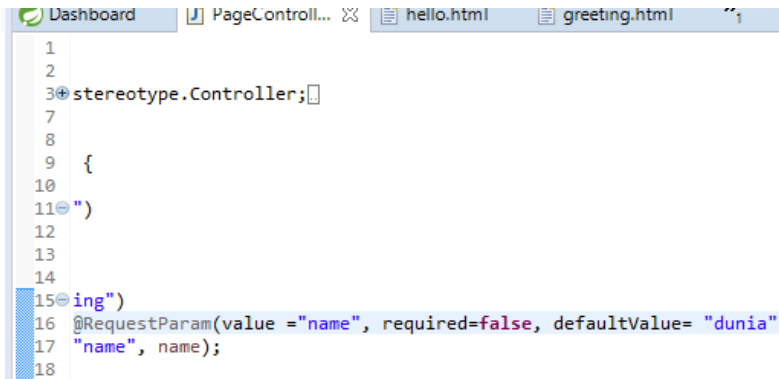
Stop Spring Boot yang sedang berjalan, run kembali, buka localhost: 8080/greeting

Pertanyaan: Apakah hasilnya?



3. Ubah header method greeting menjadi seperti berikut

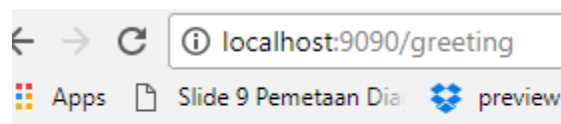
```
public String greeting (@RequestParam(value = "name", required = false,  
defaultValue = "dunia") String name, Model model)
```



Stop Spring Boot yang sedang berjalan, run kembali, dan buka localhost:

8080/greeting.

Pertanyaan: apakah hasilnya?



Selamat datang dunia!

4. Perhatikan bahwa pada berkas greeting.html, tag paragraf yang kita tambahkan adalah

sebagai berikut:

```
<p th:text="'Selamat datang ' + ${name} + '!'">Sapaan untuk user</p>
```

Pertanyaan: Mengapa tulisan “Sapaan untuk user” tidak pernah muncul?

karena th: text akan mengganti sapaan untuk user dari \${name} yang ada di pageControl method greeting

Latihan Path Variable:

1. Akses localhost:8080/greeting/

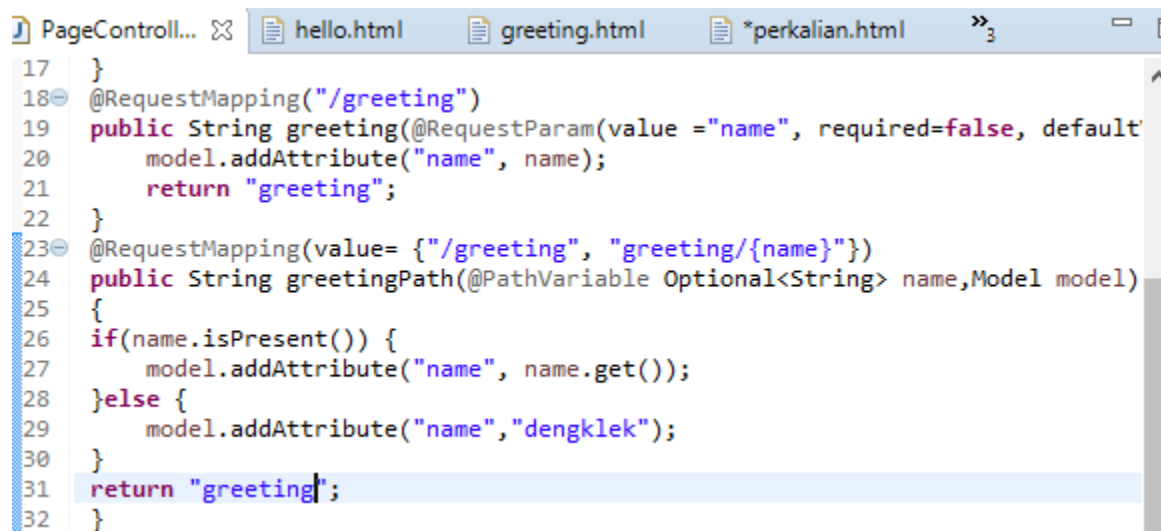
Pertanyaan: Apa hasilnya?

Ubah method greetingPath menjadi seperti berikut

```
@RequestMapping(value = {"/greeting", "greeting/{name}"})
```

```
public String greetingPath(@PathVariable Optional<String> name, Model model) {
```

```
if (name.isPresent()) {  
    model.addAttribute("name", name.get());  
} else {  
    model.addAttribute("name", "dengklek");  
}  
return "greeting";  
}
```



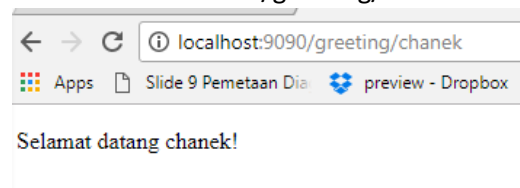
```
17 }  
18 @RequestMapping("/greeting")  
19 public String greeting(@RequestParam(value = "name", required=false, default  
20     model.addAttribute("name", name);  
21     return "greeting";  
22 }  
23 @RequestMapping(value= {"/greeting", "greeting/{name}"})  
24 public String greetingPath(@PathVariable Optional<String> name, Model model)  
25 {  
26     if(name.isPresent()) {  
27         model.addAttribute("name", name.get());  
28     } else {  
29         model.addAttribute("name", "dengklek");  
30     }  
31     return "greeting";  
32 }
```

Akses localhost:8080/greeting/

Pertanyaan: Apa hasilnya?



Akses localhost:8080/greeting/chanek Pertanyaan: Apa hasilnya?



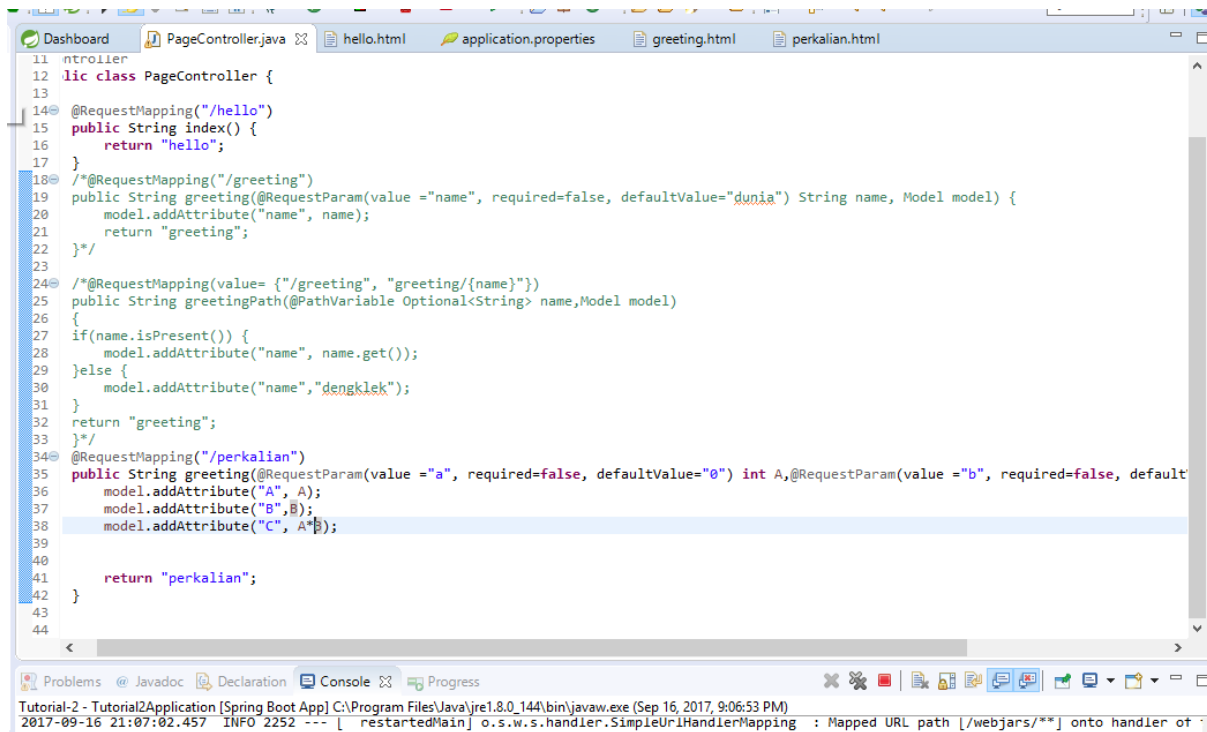
Latihan

1. Buatlah satu halaman baru untuk melakukan operasi perkalian.



```
1 <!DOCTYPE html>
2 <html xmlns:th="http://thymeleaf.org">
3   <head>
4     <title>Third Page</title>
5     <h1>Perkalian</h1>
6   </head>
7   <body>
8     <h2 th:text= "${A} + ' x ' + ${B} + ' = ' + ${C} "> formula </h2>
9   </body>
10 </html>
```

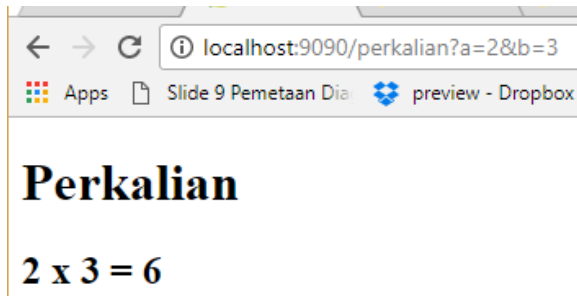
2. Halaman ini menerima 2 buah parameter dari query string yaitu a dan b.



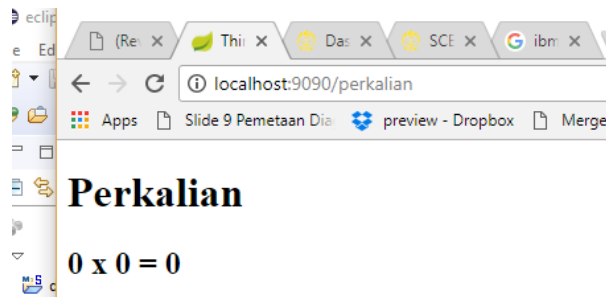
```
11 ntroller
12 lic class PageController {
13
14 @RequestMapping("/hello")
15 public String index() {
16     return "hello";
17 }
18
19 /*@RequestMapping("/greeting")
20 public String greeting(@RequestParam(value = "name", required=false, defaultValue="dunia") String name, Model model) {
21     model.addAttribute("name", name);
22     return "greeting";
23 }*/
24
25 /*@RequestMapping(value= {"/greeting", "greeting/{name}"})
26 public String greetingPath(@PathVariable Optional<String> name, Model model)
27 {
28     if(name.isPresent()) {
29         model.addAttribute("name", name.get());
30     } else {
31         model.addAttribute("name", "dengklek");
32     }
33     return "greeting";
34 }*/
35
36 @RequestMapping("/perkalian")
37 public String greeting(@RequestParam(value = "a", required=false, defaultValue="0") int A, @RequestParam(value = "b", required=false, default
38     model.addAttribute("A", A);
39     model.addAttribute("B", B);
40     model.addAttribute("C", A*B);
41
42     return "perkalian";
43 }
44
```

Tutorial-2 - Tutorial2Application [Spring Boot App] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (Sep 16, 2017, 9:06:53 PM)
2017-09-16 21:07:02.457 INFO 2252 --- [restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped URL path [/webjars/**] onto handler of

3. Pada view tampilkan hasil perkalian a dan b.



4. Jika a atau b tidak ada, nilai defaultnya 0.



5. Contoh hasil tampilannya

