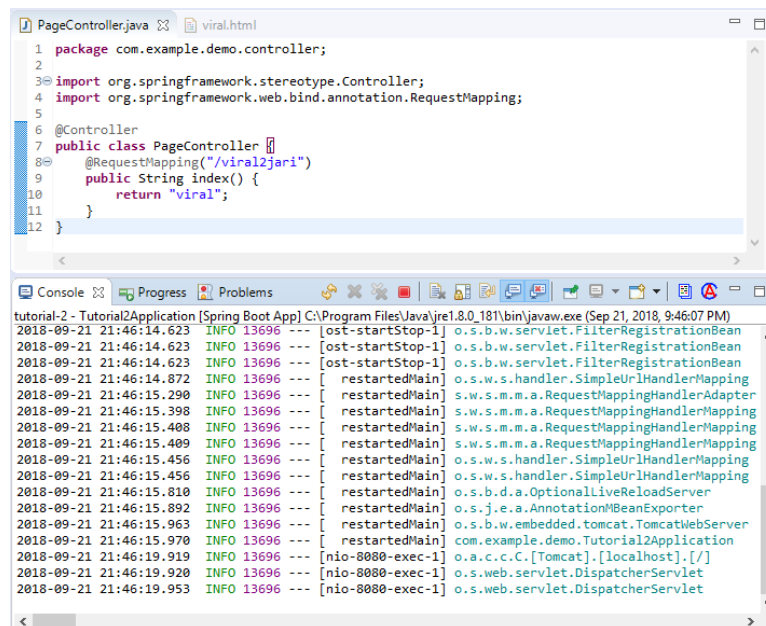


Latihan Project Viral

- a. Apakah terjadi compile error? **Tidak terjadi compile error**



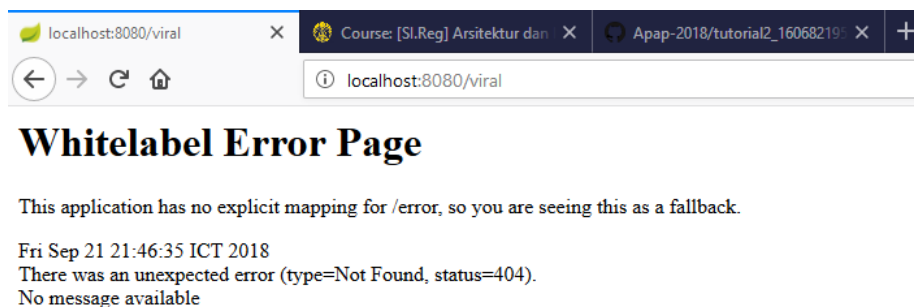
```
1 package com.example.demo.controller;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.RequestMapping;
5
6 @Controller
7 public class PageController {
8     @RequestMapping("/viral2jari")
9     public String index() {
10         return "viral";
11     }
12 }
```

Console output:

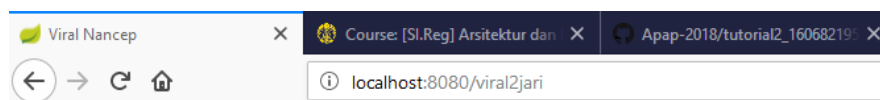
```
tutorial-2 - Tutorial2Application [Spring Boot App] C:\Program Files\Java\jre1.8.0_181\bin\javaw.exe (Sep 21, 2018, 9:46:07 PM)
2018-09-21 21:46:14.623 INFO 13696 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean
2018-09-21 21:46:14.623 INFO 13696 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean
2018-09-21 21:46:14.623 INFO 13696 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean
2018-09-21 21:46:15.290 INFO 13696 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping
2018-09-21 21:46:15.290 INFO 13696 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerAdapter
2018-09-21 21:46:15.398 INFO 13696 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping
2018-09-21 21:46:15.408 INFO 13696 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping
2018-09-21 21:46:15.409 INFO 13696 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping
2018-09-21 21:46:15.456 INFO 13696 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping
2018-09-21 21:46:15.456 INFO 13696 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping
2018-09-21 21:46:15.810 INFO 13696 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer
2018-09-21 21:46:15.892 INFO 13696 --- [ restartedMain] o.s.j.e.a.AnnotationMBeanExporter
2018-09-21 21:46:15.963 INFO 13696 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer
2018-09-21 21:46:15.970 INFO 13696 --- [ restartedMain] com.example.demo.Tutorial2Application
2018-09-21 21:46:19.919 INFO 13696 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]
2018-09-21 21:46:19.920 INFO 13696 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
2018-09-21 21:46:19.953 INFO 13696 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
```

- b. Coba akses localhost:8080/viral, berikan alasan dan jelaskan apa yang terjadi.

Terjadi error pada halaman tersebut.



Alasannya karena request mapping dipindahkan dari url yang sebelumnya /viral menjadi /viral2jari.

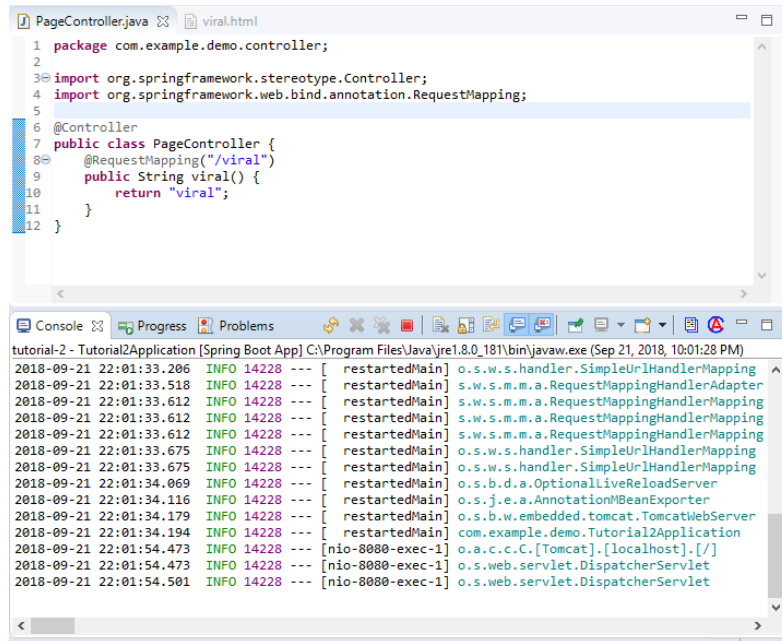


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c. Apakah kegunaan `@RequestMapping("/viral")`

Tujuannya untuk memetakan request ke url `/viral`.

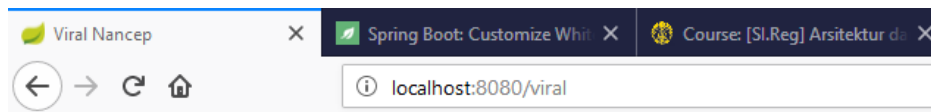
2. a. Apakah terjadi compile error? **Tidak terjadi compile error.**



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

```
tutorial-2 - Tutorial2Application [Spring Boot App] C:\Program Files\Java\jre1.8.0_181\bin\javaw.exe (Sep 21, 2018, 10:01:28 PM)
2018-09-21 22:01:33.206 INFO 14228 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping
2018-09-21 22:01:33.518 INFO 14228 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerAdapter
2018-09-21 22:01:33.612 INFO 14228 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping
2018-09-21 22:01:33.612 INFO 14228 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping
2018-09-21 22:01:33.612 INFO 14228 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping
2018-09-21 22:01:33.675 INFO 14228 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping
2018-09-21 22:01:33.675 INFO 14228 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping
2018-09-21 22:01:34.069 INFO 14228 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer
2018-09-21 22:01:34.116 INFO 14228 --- [ restartedMain] o.s.j.e.a.AnnotationMethodBeanExporter
2018-09-21 22:01:34.179 INFO 14228 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer
2018-09-21 22:01:34.194 INFO 14228 --- [ restartedMain] com.example.demo.Tutorial2Application
2018-09-21 22:01:54.473 INFO 14228 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]
2018-09-21 22:01:54.473 INFO 14228 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
2018-09-21 22:01:54.501 INFO 14228 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
```

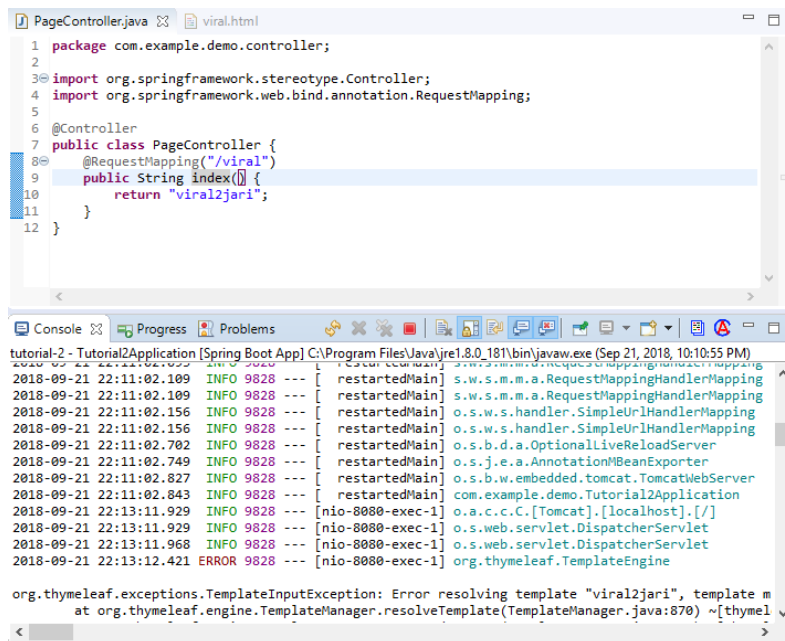
b. Coba akses `localhost:8080/viral`, berikan alasan dan jelaskan apa yang terjadi.



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Halaman tersebut masih bisa dibuka karena yang diubah hanya nama methodnya.

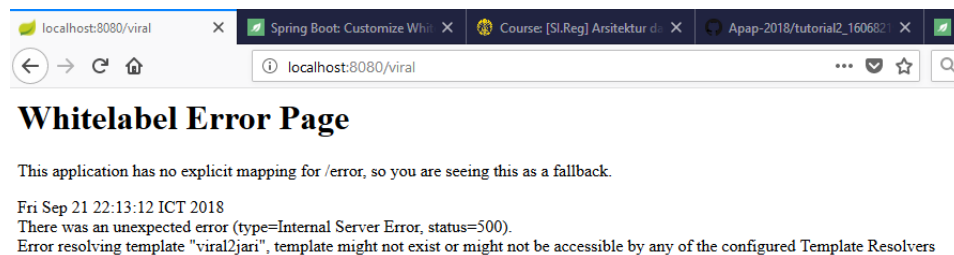
3. a. Apakah terjadi compile error? **Terjadi compile error.**



```
PageController.java viral.html
1 package com.example.demo.controller;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.RequestMapping;
5
6 @Controller
7 public class PageController {
8     @RequestMapping("/viral")
9     public String index() {
10         return "viral2jari";
11     }
12 }
```

```
tutorial-2 - Tutorial2Application [Spring Boot App] C:\Program Files\Java\jdk-8.0.181\bin\javaw.exe (Sep 21, 2018, 10:10:55 PM)
2018-09-21 22:11:02.109 INFO 9828 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping
2018-09-21 22:11:02.109 INFO 9828 --- [ restartedMain] s.w.s.m.m.a.RequestMappingHandlerMapping
2018-09-21 22:11:02.156 INFO 9828 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping
2018-09-21 22:11:02.156 INFO 9828 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping
2018-09-21 22:11:02.702 INFO 9828 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer
2018-09-21 22:11:02.749 INFO 9828 --- [ restartedMain] o.s.j.e.a.AnnotationMethodExporter
2018-09-21 22:11:02.827 INFO 9828 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer
2018-09-21 22:11:02.843 INFO 9828 --- [ restartedMain] com.example.demo.Tutorial2Application
2018-09-21 22:13:11.929 INFO 9828 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]
2018-09-21 22:13:11.929 INFO 9828 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
2018-09-21 22:13:11.968 INFO 9828 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
2018-09-21 22:13:12.421 ERROR 9828 --- [nio-8080-exec-1] org.thymeleaf.TemplateEngine
org.thymeleaf.exceptions.TemplateInputException: Error resolving template "viral2jari", template not found
at org.thymeleaf.engine.TemplateManager.resolveTemplate(TemplateManager.java:870) ~[thymeleaf-3.0.11.jar:3.0.11]
```

- b. Coba akses localhost:8080/viral, berikan alasan dan jelaskan apa yang terjadi.

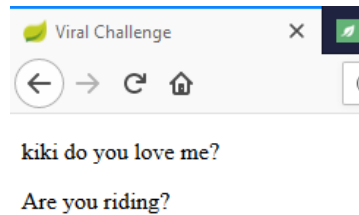


Return berfungsi untuk memanggil file html, namun karena file viral2jari.html tidak ada, terjadi compile error dan halaman localhost:8080/viral tidak berisi apa-apa.

- c. Apakah kegunaan return type pada method controller tersebut? **Untuk melakukan render pada file html sesuai yang tertulis.**

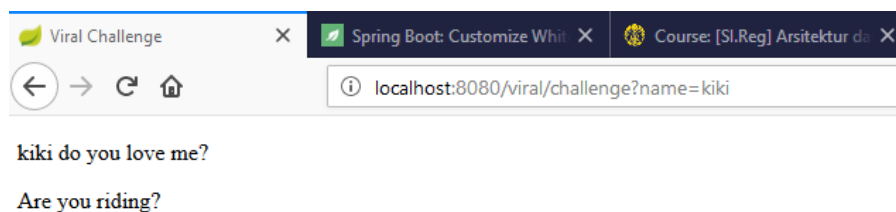
Latihan Request Parameter

1. Mengapa tulisan “In My feeling” pada thymeleaf challenge tidak pernah muncul di browser?



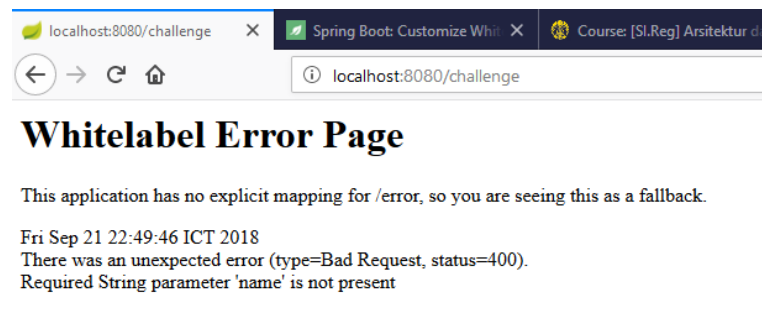
Karena yang keluar hanya yang ada di `th:text=type`.

2. Ubah nilai anotasi Request Mapping “/challenge” menjadi “/viral/challenge”. Deskripsikan hasil pada browser dan kembalikan ke bentuk sebelumnya!



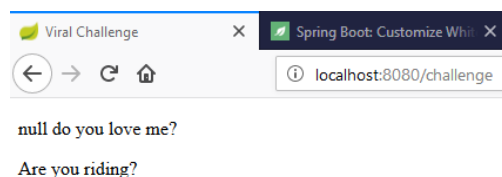
Url yang sebelumnya /viral berubah menjadi /viral/challenge. Url yang selumnya tidak berisi apa-apa.

3. Akses localhost:8080/challenge.
 - a. Deskripsikan hasilnya.



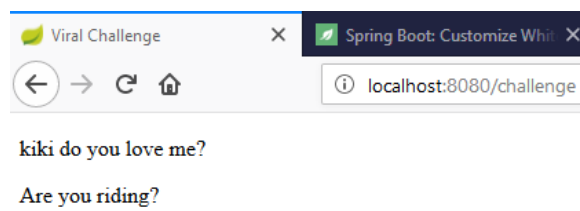
Terjadi error pada halaman tersebut.

- b. Ubah methodnya menjadi seperti di soal, deskripsikan lalu kembalikan ke bentuk awal!



Value dari name bernilai null, tidak terjadi error karena valuenya tidak wajib diisi (required = false).

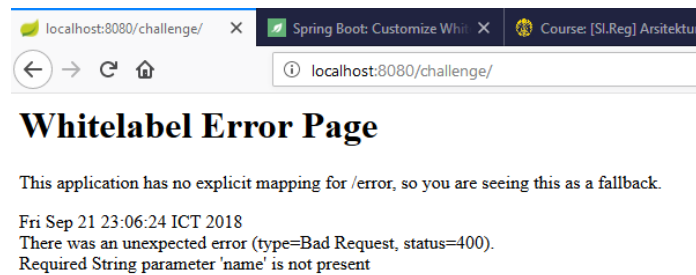
- c. Ubah methodnya menjadi seperti di soal, deskripsikan lalu kembalikan ke bentuk awal!



Value dari name diset default menjadi “kiki”, sehingga name apabila tidak didefinisikan akan keluar “kiki” bukan null dan tidak terjadi error.

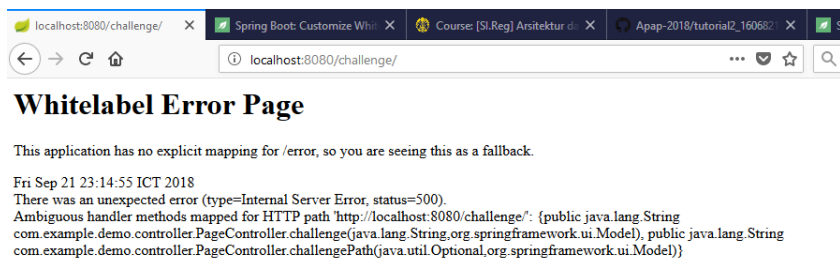
Latihan Path Variable

1. Akses localhost:8080/challenge/. Apakah hasil dari halaman tersebut?



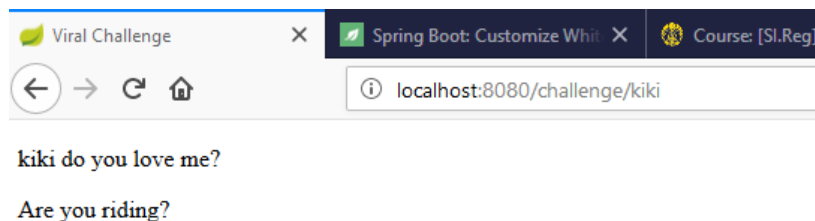
Terjadi error pada halaman tersebut.

2. Ubah method challengePath seperti soal. Akses localhost:8080/challenge/. Apakah hasil dari halaman tersebut?



Setelah saya import java.util.Optional, masih terjadi error pada halaman tersebut.

3. Akses localhost:8080/challenge/kiki. Apakah hasil dari halaman tersebut?



Tampil halaman dengan tampilan seperti di atas.