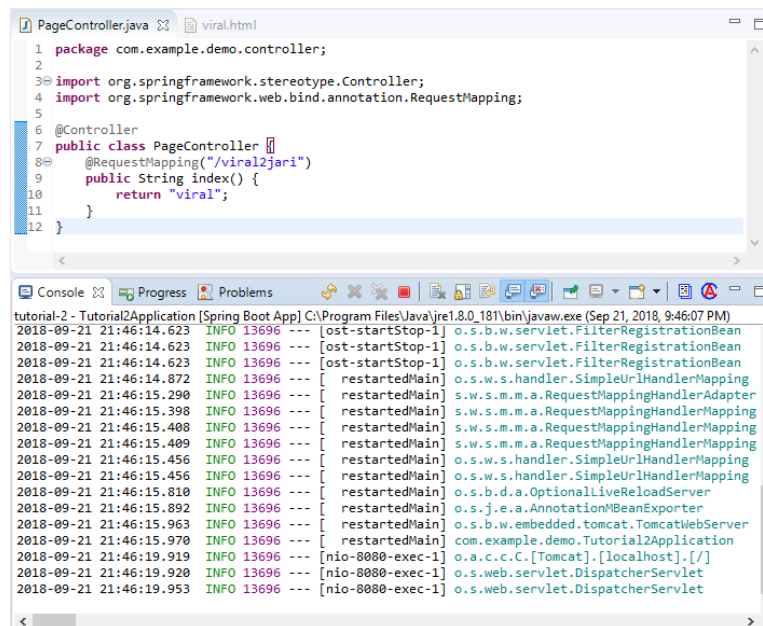


Latihan Project Viral

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



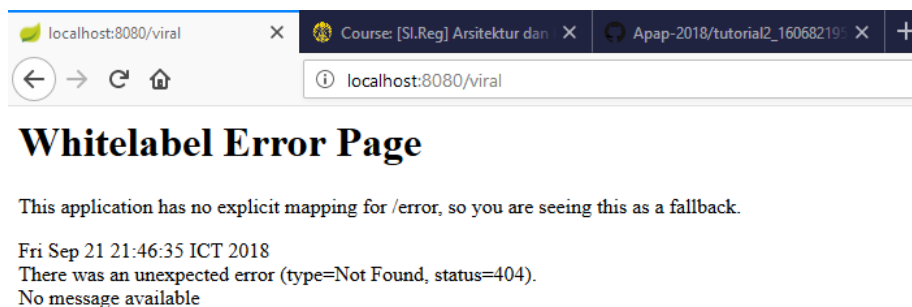
```
1 package com.example.demo.controller;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.RequestMapping;
5
6 @Controller
7 public class PageController {
8     @RequestMapping("/viral2jari")
9     public String index() {
10         return "viral";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

Console logs show the application starting successfully on port 8080:

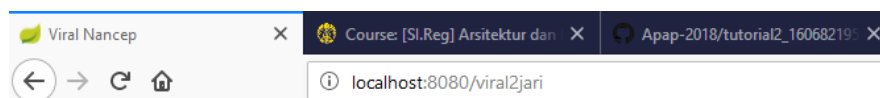
```
2018-09-21 21:46:14.623 INFO 13696 --- [ost-startStop-1] o.s.b.w.s.ServletFilterRegistrationBean
2018-09-21 21:46:14.623 INFO 13696 --- [ost-startStop-1] o.s.b.w.s.ServletFilterRegistrationBean
2018-09-21 21:46:14.872 INFO 13696 --- [ restartedMain] o.s.w.s.handler.SimpleUrlHandlerMapping
2018-09-21 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.

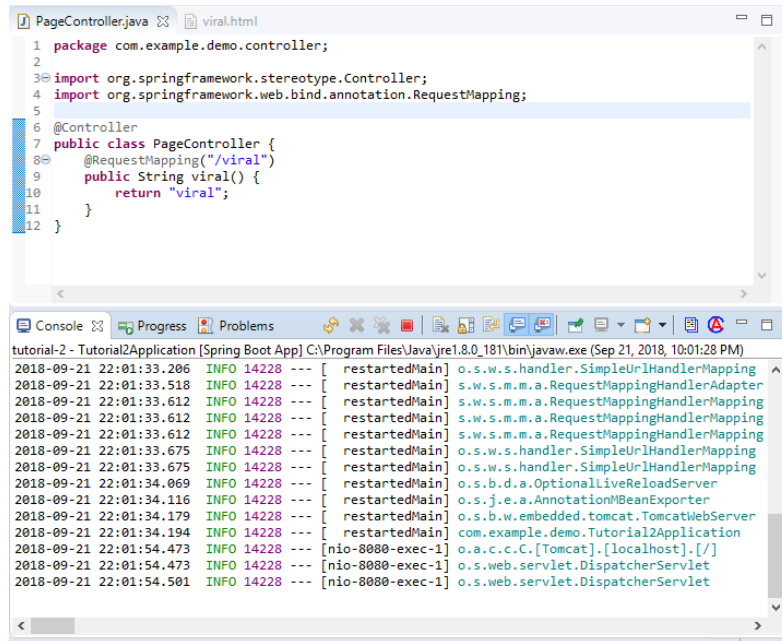


Mashook Pak Ekoo!!

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

Tujuannya untuk memetakan request ke url `/viral`.

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



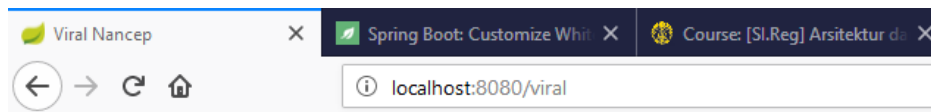
The screenshot shows an IDE with two tabs: `PageController.java` and `viral.html`. The `PageController.java` file contains the following code:

```
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 }
```

The console output shows the application starting successfully with the following log messages:

```
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
```

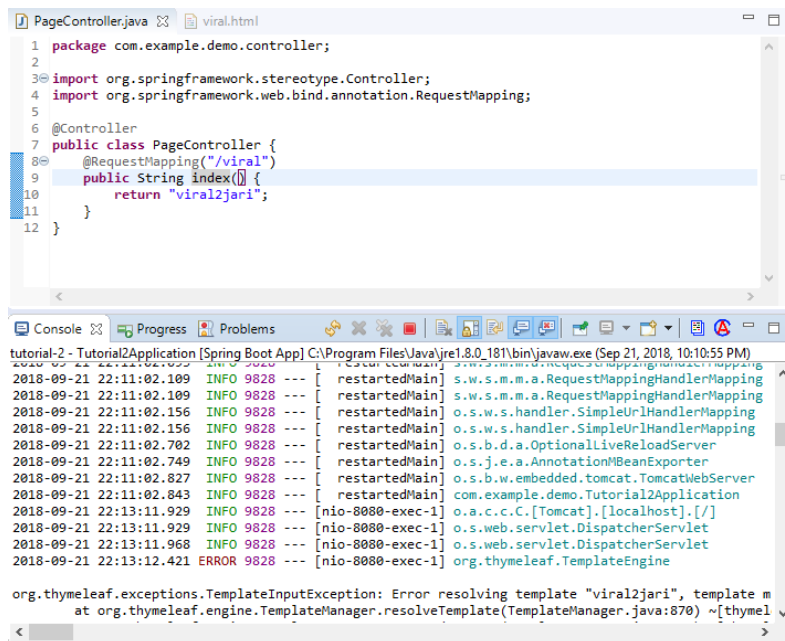
b. Coba akses `localhost:8080/viral`, berikan alasan dan jelaskan apa yang terjadi.



Mashook Pak Ekoo!!

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

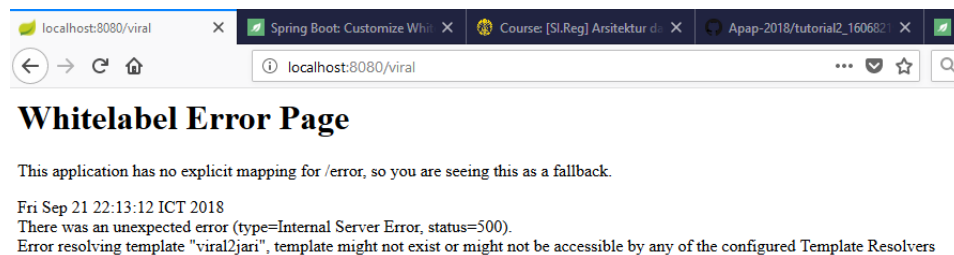
3. a. Apakah terjadi compile error? **Terjadi compile error.**



```
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.AnnotationMethodHandlerAdapter
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.**