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Read a text file from Java classpath

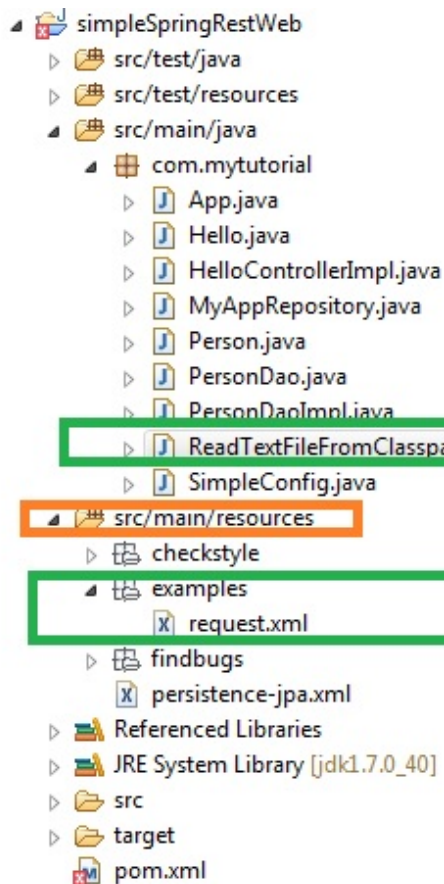Posted on October 9, 2015 by Arulkumaran Kumaraswamipillai

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File to read: src/main/resources/examples/request.xml

```
1  <employee>
2      <name>Peter Smith</name>
3      <age>25</age>
4  </employee>
```

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1. Using Java API without any libraries

```
1  package com.mytutorial;
2
3  import java.io.BufferedReader;
4  import java.io.IOException;
5  import java.io.InputStream;
6  import java.io.InputStreamReader;
7
8
9  public class ReadTextFileFromClasspath {
10
11     public static void main(String[] args) throw
12         InputStream is = ReadTextFileFromClasspa
13         InputStreamReader isr = new InputStreamR
14         StringBuilder sb=new StringBuilder();
15         BufferedReader br = new BufferedReader(i
16         String read = br.readLine();
17
18         while(read != null) {
19             sb.append(read);
20             read =br.readLine();
21             sb.append("\n");
22         }
23
24         System.out.println(sb.toString());
25     }
26 }
```

You can also use the "ClassLoader"

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```
1  ClassLoader loader = Thread.currentThread().getCo
2  InputStream is = loader.getResourceAsStream("exam
```

2. Using Java 7 NIO

```
1    package com.mytutorial;
2
3  import java.io.IOException;
4  import java.net.URISyntaxException;
5  import java.nio.charset.Charset;
6  import java.nio.file.Files;
7  import java.nio.file.Paths;
8  import java.util.List;
9
10
11 public class ReadTextFileFromClasspath {
12
13     public static void main(String[] args) throw
14
15         List<String> readLines = Files.readAllLi
16             Paths.get(ReadTextFileFromClasspath.
17
18         System.out.println(readLines);
19     }
20 }
```

3. Using Apache commons-io library

```
1    package com.mytutorial;
2
3  import java.io.IOException;
4  import java.io.InputStream;
5
6  import org.apache.commons.io.IOUtils;
7
8  public class ReadTextFileFromClasspath {
9
10     public static void main(String[] args) throw
11         InputStream is = ReadTextFileFromClasspa
12         String str = IOUtils.toString(is, "UTF-8
13         System.out.println(str);
14     }
15 }
```

4. Using Spring library

```
1    package com.mytutorial;
2
3  import java.io.IOException;
4  import java.net.URL;
5
6  import org.apache.commons.io.IOUtils;
7  import org.springframework.util.ResourceUtils;
8
```

```
 9  public class ReadTextFileFromClasspath {
10
11      public static void main(String[] args) throw
12          final URL url = ResourceUtils.getURL("cl
13          String str = IOUtils.toString(url);
14
15          System.out.println(str);
16      }
17  }
```

5. Using Java 8 API

```
 1  package com.mytutorial;
 2
 3  import java.io.IOException;
 4  import java.nio.charset.Charset;
 5  import java.nio.file.Files;
 6  import java.nio.file.Paths;
 7  import java.util.stream.Stream;
 8
 9
10  public class ReadTextFileFromClasspath {
11
12      public static void main(String[] args) throw
13          Stream<String> stream = Files.lines(Path
14          stream.forEach(System.out::println);
15      }
16  }
```

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