Survey on Code Examples

Dear participant,

Our research group is investigating the usefulness of code examples in understanding the usage of APIs.

We would be grateful if you could spend a few minutes of your time to answer the following survey, which consist of three parts:

1. A questionnaire about your background.
2. A short evaluation on the usefulness of a few (3 to 6) code examples showing the usage of one method of six APIs (i.e., six methods in total).
3. A short evaluation on the understandability of a few (2 to 4) code examples showing the usage of one method of six APIs (i.e., six methods in total).

The survey will take less than 30 minutes to complete, and your participation is anonymous and voluntary. If you have any question, do not hesitate to contact Laura Moreno via email at lmorenoc@utdallas.edu.

Thanks for your help.

Background Information

Background Information

Please, answer the following questions according to your experience in software development.

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1. For how many years have you developed software?

1 ▼

2. Do you have any industrial experience as software developer?

⚪ Yes

⚪ No

For how many years?

| 1 ▼ |

3. How often do you make use of third party libraries in your software projects?

⚪ Never

⚪ Rarely - I use third party libraries in less than 33% of my projects

⚪ Occasionally - I use third party libraries in more than 33% but less than 66% of my projects

⚪ Frequently - I use third party libraries in more than 66% of my projects

4. How often do you use code examples found on the Internet to check how to use the API of a library?

⚪ Never

⚪ Rarely - I use code examples for less than 33% of the APIs I use

⚪ Occasionally - I use code examples for more than 33% but less than 66% of the APIs I use

⚪ Frequently - I use code examples for more than 66% of the APIs I use

[R] org.apache.commons.io.FileUtils.byteCountToDisplaySize

Code Examples for Apache Commons IO

The next code snippets exemplify the usage of the method:

```
org.apache.commons.io.FileUtils.byteCountToDisplaySize(long)
```

Example 1

```
1 /**
2 * WAR file location.
3 */
4 private final transient File war;
5 //  this.war.length() -> the number of bytes
6 FileUtils.byteCountToDisplaySize(this.war.length());
```

How useful is this code example in understanding the usage of the `byteCountToDisplaySize` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
01 /**
02 * Amazon S3 client.
03 */
04 private final transient AmazonS3 client;
05 /**
06 * S3 bucket name.
07 */
08 private final transient String bucket;
09 /**
10 * S3 key name.
11 */
12 private final transient String key;
13 if(this.keyExists())
14 {
15 final ObjectMetadata meta=this.client.getObjectMetadata(this.bucket,th
16 // meta.getContentLength() -> the number of bytes
17 FileUtils.byteCountToDisplaySize(meta.getContentLength());
18 }
```

How useful is this code example in understanding the usage of the `byteCountToDisplaySize` method?

○

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1 final long byteCount=getByteCount();
2 // byteCount -> the number of bytes
3 FileUtils.byteCountToDisplaySize(byteCount);
```

How useful is this code example in understanding the usage of the `byteCountToDisplaySize` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
1 private final long expectedByteCount;
2 // expectedByteCount -> the number of bytes
3 FileUtils.byteCountToDisplaySize(expectedByteCount);
```

How useful is this code example in understanding the usage of the `byteCountToDisplaySize` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 5

```
1 /**
2 * New location of the trust store.
3 */
4 private final transient String store;
5 @NotNull final File file;
6 this.store=file.getAbsolutePath();
7 // this.store.length() -> the number of bytes
8 FileUtils.byteCountToDisplaySize(this.store.length());
```

How useful is this code example in understanding the usage of the **byteCountToDisplaySize** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

[R] org.apache.commons.io.FileUtils.copyFile

Code Examples for Apache Commons IO

The next code snippets exemplify the usage of the method:

org.apache.commons.io.FileUtils.copyFile(java.io.File,java.io.File)

Example 1
```
1 @NotNull final File file;
2 final File prev=new File(String.format("%s/lib/security/cacerts",System
3 // prev -> an existing file to copy, must not be null
4 // file -> the new file, must not be null
5 FileUtils.copyFile(prev,file);
```

How useful is this code example in understanding the usage of the **copyFile** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1 String sourcePath;
2 File source=new File(sourcePath);
3 File tempFile=new File(UUID.randomUUID().toString());
4 // source -> an existing file to copy, must not be null
5 // tempFile -> the new file, must not be null
6 FileUtils.copyFile(source,tempFile);
```

How useful is this code example in understanding the usage of the `copyFile` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 3

```
01 /**
02  * Karma-junit-reporter results file. Setting this location will export
03  * reportsDirectory. For this to function, the karma-junit-reporter plu
04  * configuration file and the reportsDirectory must be available for wr
05  * outputFile property should also be configured in karma.conf.js to be
06  * this property, ensuring that the file is picked up.
07  */
08 @Parameter(property="junitReportFile",required=false) private File jun
09 /**
10  * Base directory where all Karma reports are written to. This occurs i
11  * file specified in the junitReportFile is copied to this directory.
12  */
13 @Parameter(defaultValue="${project.build.directory}/karma-reports",req
14 // junitReportFile -> an existing file to copy, must not be null
15 // newFile(reportsDirectory,junitReportFile.getName()) -> the new file
16 FileUtils.copyFile(junitReportFile,new File(reportsDirectory,junitRepo
```

How useful is this code example in understanding the usage of the `copyFile` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 4

```
1 final File toCopy;
2 final File newTempFile=LogWriter.createTempFile();
3 // toCopy -> an existing file to copy, must not be null
4 // newTempFile -> the new file, must not be null
5 FileUtils.copyFile(toCopy,newTempFile);
```

How useful is this code example in understanding the usage of the `copyFile` method?

⚪ Not useful at all

⚪ Slightly useful

⚪ Useful

⚪ Very useful

Example 5

```
01 private Set<File> files=new HashSet<File>();
02 private Map<String,AntPathMatcherFilter> content=new HashMap<String,An
03 File to;
04 for(File file : files)
05 {
06 String ext=FilenameUtils.getExtension(file.getName()).toUpperCase();
07 if(!"ZIP".equals(ext))
08 {
09 for(Map.Entry<String,AntPathMatcherFilter> filterEntry : content.entry
10 {
11 AntPathMatcherFilter filter=filterEntry.getValue();
12 if(filter.accept(file.getName()))
13 {
14 File target=FileUtils.getFile(to,ArchiveUtils.rewritePath(file.getName
15 // file -> an existing file to copy, must not be null
16 // target -> the new file, must not be null
17 FileUtils.copyFile(file,target);
18 }
19 }
20 }
21 }
```

How useful is this code example in understanding the usage of the `copyFile` method?

⚪

Example 6

```
01  /**
02   * Temp dir.
03   * @checkstyle VisibilityModifier (3 lines)
04   */
05  public final transient TemporaryFolder temp=new TemporaryFolder();
06  final File classes=this.temp.newFolder();
07  final File javas=this.temp.newFolder();
08  final String name="sample/Foo.class";
09  final File binary=new File(classes,name);
10  // newFile(javas,name) -> an existing file to copy, must not be null
11  // binary -> the new file, must not be null
12  FileUtils.copyFile(new File(javas,name),binary);
```

How useful is this code example in understanding the usage of the `copyFile` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

[R] org.apache.commons.io.FileUtils.writeStringToFile

Code Examples for Apache Commons IO

The next code snippets exemplify the usage of the method:

```
org.apache.commons.io.FileUtils.writeStringToFile(java.io.File,java.lan
```

Example 1

```
01 final FileInfo template;
02 final FileInfo filter;
03 final String outputBasePath;
04 final String outputDirectory=createOutputDirectory(template,filter,out
05 final String templateFilename=template.getFile().getName();
06 final String outputFilename=FilenameUtils.separatorsToSystem(outputDir
07 final String rawTemplate=FileUtils.readFileToString(template.getFile()
08 final Properties properties=readFilterIntoProperties(filter);
09 final String processedTemplate=StrSubstitutor.replace(rawTemplate,prop
10 // newFile(outputFilename) -> the file to write
11 // processedTemplate -> the content to write to the file
12 FileUtils.writeStringToFile(new File(outputFilename),processedTemplate
```

How useful is this code example in understanding the usage of the `writeStringToFile` method?

⚪ Not useful at all

⚪ Slightly useful

⚪ Useful

⚪ Very useful

◀ ▶

Example 2

```
01 @SuppressWarnings("serial") private final LogPosition nullPosition=new
02 }
03 ;
04 String destination;
05 File dataFile;
06 LogPosition position=positions.get(destination);
07 if(position != null && position != nullPosition)
08 {
09 String json=JsonUtils.marshalToString(position);
10 // dataFile -> the file to write
11 // json -> the content to write to the file
12 FileUtils.writeStringToFile(dataFile,json);
13 }
```

How useful is this code example in understanding the usage of the `writeStringToFile` method?

⚪ Not useful at all

⚪ Slightly useful

⚪ Useful

⚪

Example 3

```
1  /**
2   * Temporary folder.
3   * @checkstyle VisibilityModifier (3 lines)
4   */
5  @Rule public transient TemporaryFolder temp=new TemporaryFolder();
6  final File key=this.temp.newFile();
7  // key -> the file to write
8  // "" -> the content to write to the file
9  FileUtils.writeStringToFile(key,"");
```

How useful is this code example in understanding the usage of the **writeStringToFile** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
1  /**
2   * Temporary folder.
3   * @checkstyle VisibilityModifier (3 lines)
4   */
5  @Rule public transient TemporaryFolder temp=new TemporaryFolder();
6  final File war=this.temp.newFile("temp.war");
7  // war -> the file to write
8  // "brokenJARfilecontent" -> the content to write to the file
9  FileUtils.writeStringToFile(war,"broken JAR file content");
```

How useful is this code example in understanding the usage of the **writeStringToFile** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 5

```
1 /**
2 * Temporary folder.
3 * @checkstyle VisibilityModifier (3 lines)
4 */
5 @Rule public transient TemporaryFolder temp=new TemporaryFolder();
6 final File key=this.temp.newFile();
7 // key -> the file to write
8 // IOUtils.toString(this.getClass().getResource("test-key.pem")) -> the
9 FileUtils.writeStringToFile(key,IOUtils.toString(this.getClass().getRes
```

How useful is this code example in understanding the usage of the `writeStringToFile` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 6

```
01 public JobManagerConfiguration jobManagerConfiguration;
02 StringWriter results=new StringWriter();
03 File tempPBSFile=null;
04 String scriptContent=results.toString().replaceAll("^[ |\t]*\n$","");
05 if(scriptContent.startsWith("\n"))
06 {
07 scriptContent=scriptContent.substring(1);
08 }
09 int number=new SecureRandom().nextInt();
10 number=(number < 0 ? -number : number);
11 tempPBSFile=new File(Integer.toString(number) + jobManagerConfiguratio
12 // tempPBSFile -> the file to write
13 // scriptContent -> the content to write to the file
14 FileUtils.writeStringToFile(tempPBSFile,scriptContent);
```

How useful is this code example in understanding the usage of the `writeStringToFile` method?

○ Not useful at all

○ Slightly useful

○ Useful

○

[C] org.apache.commons.io.FileUtils.byteCountToDisplaySize

Code Examples for Apache Commons IO

The next code snippets exemplify the usage of the method:

org.apache.commons.io.FileUtils.byteCountToDisplaySize(long)

Example 1

```
1 private final long expectedByteCount;
2 // expectedByteCount -> the number of bytes
3 FileUtils.byteCountToDisplaySize(expectedByteCount);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 2

```
01 private long snapshotBytes;
02 private long snapshotStart=System.currentTimeMillis();
03 private long bytesPerSecond;
04 final int bytesWritten;
05 snapshotBytes+=bytesWritten;
06 if(System.currentTimeMillis() - snapshotStart >= 1000)
07 {
08 bytesPerSecond=snapshotBytes;
09 }
10 // bytesPerSecond -> the number of bytes
11 FileUtils.byteCountToDisplaySize(bytesPerSecond);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 3

```
1  /**
2   * WAR file location.
3   */
4  private final transient File war;
5  // this.war.length() -> the number of bytes
6  FileUtils.byteCountToDisplaySize(this.war.length());
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

[C] org.apache.commons.io.FileUtils.copyFile

Code Examples for Apache Commons IO

The next code snippets exemplify the usage of the method:

org.apache.commons.io.FileUtils.copyFile(java.io.File,java.io.File)

Example 1

```
1  String sourcePath;
2  File source=new File(sourcePath);
3  File tempFile=new File(UUID.randomUUID().toString());
4  // source -> an existing file to copy, must not be null
```

```
5 // tempFile -> the new file, must not be null
6 FileUtils.copyFile(source,tempFile);
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○ Very understandable

Example 2

```
01 private Set<File> files=new HashSet<File>();
02 private Map<String,AntPathMatcherFilter> content=new HashMap<String,An
03 File to;
04 for(File file : files)
05 {
06 String ext=FilenameUtils.getExtension(file.getName()).toUpperCase();
07 if(!"ZIP".equals(ext))
08 {
09 for(Map.Entry<String,AntPathMatcherFilter> filterEntry : content.entry
10 {
11 AntPathMatcherFilter filter=filterEntry.getValue();
12 if(filter.accept(file.getName()))
13 {
14 File target=FileUtils.getFile(to,ArchiveUtils.rewritePath(file.getName
15 // file -> an existing file to copy, must not be null
16 // target -> the new file, must not be null
17 FileUtils.copyFile(file,target);
18 }
19 }
20 }
21 }
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○ Very understandable

[C] org.apache.commons.io.FileUtils.writeStringToFile

Code Examples for Apache Commons IO

The next code snippets exemplify the usage of the method:

org.apache.commons.io.FileUtils.writeStringToFile(java.io.File,java.lan

---

Example 1

```
01 /**
02 * Location of repository.
03 */
04 private final transient String path;
05 @NotNull final String name;
06 @NotNull final String content;
07 final File dir=new File(this.path);
08 final File file=new File(dir,name);
09 // file -> the file to write
10 // content -> the content to write to the file
11 FileUtils.writeStringToFile(file,content);
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○ Very understandable

Example 2

```
01 @Rule public TemporaryFolder folder=new TemporaryFolder();
02 public static final String REALM="EXAMPLE.COM";
03 public static final String HOSTNAME=KerberosTestUtils.getHostName();
04 EncryptionType encryptionType;
05 ChecksumType checksumType;
06 boolean isTcp;
07 File file=folder.newFile("krb5.conf");
08 String data="";
09 data+="[libdefaults]" + SystemUtils.LINE_SEPARATOR;
10 data+="default_realm = " + REALM + SystemUtils.LINE_SEPARATOR;
11 data+="default_tkt_enctypes = " + encryptionType.getName() + SystemUti
```

```
12  data+="default_tgs_enctypes = " + encryptionType.getName() + SystemUti
13  data+="permitted_enctypes = " + encryptionType.getName() + SystemUtils
14  data+="default-checksum_type = " + checksumType.getName() + SystemUtil
15  if(isTcp)
16  {
17  data+="udp_preference_limit = 1" + SystemUtils.LINE_SEPARATOR;
18  }
19  data+="[realms]" + SystemUtils.LINE_SEPARATOR;
20  data+=REALM + " = {" + SystemUtils.LINE_SEPARATOR;
21  data+="kdc = " + HOSTNAME + ":"+ kdcServer.getTransports()[0].getPort(
22  data+="}" + SystemUtils.LINE_SEPARATOR;
23  data+="[domain_realm]" + SystemUtils.LINE_SEPARATOR;
24  data+="." + Strings.toLowerCase(REALM) + " = "+ REALM+ SystemUtils.LIN
25  data+=Strings.toLowerCase(REALM) + " = " + REALM+ SystemUtils.LINE_SEP
26  // file -> the file to write
27  // data -> the content to write to the file
28  FileUtils.writeStringToFile(file,data);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

[R] org.apache.commons.lang3.StringUtils.deleteWhitespace

Code Examples for Apache Commons Lang

The next code snippets exemplify the usage of the method:

`org.apache.commons.lang3.StringUtils.deleteWhitespace(java.lang.String)`

Example 1

```
1  String expected="<html><head>" + "</head><body>" + "<img src=\"/img1.pn
2  // expected -> the String to delete whitespace from, may be null
3  StringUtils.deleteWhitespace(expected);
```

How useful is this code example in understanding the usage of the `deleteWhitespace` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1 CajaHtmlParser parser;
2 String content="<html><head>" + "</head><body>" + "<img src='/img1.png'
3 HttpResponse resp=new HttpResponseBuilder().setHttpStatusCode(200).setH
4         setResponse(content.getBytes()).create();
5 HttpResponseBuilder builder=new HttpResponseBuilder(parser,resp);
6 // builder.getContent() -> the String to delete whitespace from, may be
7 StringUtils.deleteWhitespace(builder.getContent());
```

How useful is this code example in understanding the usage of the `deleteWhitespace` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1 String content=IOUtils.toString(this.getClass().getClassLoader().getRes
2         "org/apache/shindig/gadgets/rewrite/rewritebasic.css"));
3 HttpResponseBuilder response=new HttpResponseBuilder().setHeader("Conte
4         .setResponseString(content);
5 // response.getContent() -> the String to delete whitespace from, may b
6 StringUtils.deleteWhitespace(response.getContent());
```

How useful is this code example in understanding the usage of the `deleteWhitespace` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
1 private BeanXStreamConverter beanXmlConverter;
2 List<String> empty=Lists.newArrayList();
3 String xml=beanXmlConverter.convertToString(empty);
4 // xml -> the String to delete whitespace from, may be null
5 StringUtils.deleteWhitespace(xml);
```

How useful is this code example in understanding the usage of the `deleteWhitespace` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 5

```
1 StringWriter sw=new StringWriter();
2 // sw.toString() -> the String to delete whitespace from, may be null
3 StringUtils.deleteWhitespace(sw.toString());
```

How useful is this code example in understanding the usage of the `deleteWhitespace` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 6

```
1 String expected=IOUtils.toString(this.getClass().getClassLoader().getRe
2          "org/apache/shindig/gadgets/rewrite/rewritebasic-expected.css"
3 expected=expected.replace("refresh=3600","refresh=86400");
4 // expected -> the String to delete whitespace from, may be null
5 StringUtils.deleteWhitespace(expected);
```

How useful is this code example in understanding the usage of the `deleteWhitespace` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

[R] org.apache.commons.lang3.StringEscapeUtils.escapeEcmaScript

Code Examples for Apache Commons Lang

The next code snippets exemplify the usage of the method:

`org.apache.commons.lang3.StringEscapeUtils.escapeEcmaScript(java.lang.S`

Example 1

```
1 String function;
2 // function -> String to escape values in, may be null
3 StringEscapeUtils.escapeEcmaScript(function);
```

How useful is this code example in understanding the usage of the `escapeEcmaScript` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1 for(String bundle : bundles)
2 {
3 // bundle -> String to escape values in, may be null
```

```
4 StringEscapeUtils.escapeEcmaScript(bundle);
5 }
```

How useful is this code example in understanding the usage of the **escapeEcmaScript** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1 private final Map<String,String> unparseableCruftMsgs;
2 HttpServletRequest request;
3 HttpRequest rcr=buildHttpRequest(request);
4 String container=rcr.getContainer();
5 // this.unparseableCruftMsgs.get(container) -> String to escape values
6 StringEscapeUtils.escapeEcmaScript(this.unparseableCruftMsgs.get(contai
```

How useful is this code example in understanding the usage of the **escapeEcmaScript** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
01 public static final String DATA_URI_KEY="dataUri";
02 HttpResponse response;
03 for(Map.Entry<String,String> metaEntry : response.getMetadata().entryS
04 {
05 if(DATA_URI_KEY.equals(metaEntry.getKey()))
06 {
07 continue;
08 }
09 // metaEntry.getValue() -> String to escape values in, may be null
10 StringEscapeUtils.escapeEcmaScript(metaEntry.getValue());
11 }
```

How useful is this code example in understanding the usage of the **escapeEcmaScript** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 5

```
1 private static final Uri RESOURCE_1=Uri.parse("http:// example.com/one.
2 // RESOURCE_1.toString() -> String to escape values in, may be null
3 StringEscapeUtils.escapeEcmaScript(RESOURCE_1.toString());
```

How useful is this code example in understanding the usage of the **escapeEcmaScript** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 6

```
1 Uri resource;
2 // resource.toString() -> String to escape values in, may be null
3 StringEscapeUtils.escapeEcmaScript(resource.toString());
```

How useful is this code example in understanding the usage of the **escapeEcmaScript** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

[R] org.apache.commons.lang3.StringUtils.split

Code Examples for Apache Commons Lang

The next code snippets exemplify the usage of the method:

```
org.apache.commons.lang3.StringUtils.split(java.lang.String,char)
```

Example 1

```
1 String basicHttpFetcherProxy;
2 // basicHttpFetcherProxy -> the String to parse, may be null
3 // ':' -> the character used as the delimiter
4 StringUtils.split(basicHttpFetcherProxy,':');
```

How useful is this code example in understanding the usage of the `split` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
01 String content;
02 // content -> the String to parse, may be null
03 // ';' -> the character used as the delimiter
04 String[] parts=StringUtils.split(content,';');
05 if(parts.length >= 2)
06 {
07 for(int i=1; i < parts.length; i++)
08 {
09 String parameterAndValue=parts[i].trim().toLowerCase();
10 StringUtils.split(parameterAndValue,'=');
11 }
12 }
```

How useful is this code example in understanding the usage of the `split` method?

○ Not useful at all

○

Slightly useful

○ Useful

○ Very useful

Example 3

```
1 public static final String HEADERS_PARAM="headers";
2 HttpServletRequest request;
3 String headerData=getParameter(request,HEADERS_PARAM,"");
4 // headerData -> the String to parse, may be null
5 // '&' -> the character used as the delimiter
6 StringUtils.split(headerData,'&');
```

How useful is this code example in understanding the usage of the `split` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
1 Collection<String> values=headers.get(HttpHeaders.CONTENT_TYPE);
2 if(!values.isEmpty())
3 {
4 String contentType=values.iterator().next();
5 // contentType -> the String to parse, may be null
6 // ';' -> the character used as the delimiter
7 StringUtils.split(contentType,';');
8 }
```

How useful is this code example in understanding the usage of the `split` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 5

```
1  String path;
2  // path.substring(1) -> the String to parse, may be null
3  // '/' -> the character used as the delimiter
4  StringUtils.split(path.substring(1),'/');
```

How useful is this code example in understanding the usage of the **split** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 6

```
1  String cacheControl=getHeader(HttpHeaders.CACHE_CONTROL);>
2  // cacheControl -> the String to parse, may be null
3  // ',' -> the character used as the delimiter
4  StringUtils.split(cacheControl,',');
```

How useful is this code example in understanding the usage of the **split** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

[C] org.apache.commons.lang3.StringUtils.deleteWhitespace

Code Examples for Apache Commons Lang

The next code snippets exemplify the usage of the method:

org.apache.commons.lang3.StringUtils.deleteWhitespace(java.lang.String)

Example 1

```
1 CajaHtmlParser parser;
2 String content="<html><head>" + "</head><body>" + "<img src='/img1.png'
3 HttpResponse resp=new HttpResponseBuilder().setHttpStatusCode(200).setH
4         .setResponse(content.getBytes()).create();
5 HttpResponseBuilder builder=new HttpResponseBuilder(parser,resp);
6 // builder.getContent() -> the String to delete whitespace from, may be
7 StringUtils.deleteWhitespace(builder.getContent());
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○ Very understandable

Example 2

```
1 private BeanXStreamConverter beanXmlConverter;
2 List<String> empty=Lists.newArrayList();
3 String xml=beanXmlConverter.convertToString(empty);
4 // xml -> the String to delete whitespace from, may be null
5 StringUtils.deleteWhitespace(xml);
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○ Very understandable

Example 3

```
1 StringWriter sw=new StringWriter();
2 // sw.toString() -> the String to delete whitespace from, may be null
3 StringUtils.deleteWhitespace(sw.toString());
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 4

```
1 String expected="<html><head>" + "</head><body>" + "<img src=\"/img1.pn
2 // expected -> the String to delete whitespace from, may be null
3 StringUtils.deleteWhitespace(expected);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

[C] org.apache.commons.lang3.StringEscapeUtils.escapeEcmaScript

Code Examples for Apache Commons Lang

The next code snippets exemplify the usage of the method:

> `org.apache.commons.lang3.StringEscapeUtils.escapeEcmaScript(java.lang.S`

Example 1

```
1 String function;
2 // function -> String to escape values in, may be null
3 StringEscapeUtils.escapeEcmaScript(function);
```

How understandable is this code example?

- ◯ Not understandable at all
- ◯ Slightly understandable
- ◯ Understandable
- ◯ Very understandable

Example 2

```
1 for(String bundle : bundles)
2 {
3 // bundle -> String to escape values in, may be null
4 StringEscapeUtils.escapeEcmaScript(bundle);
5 }
```

How understandable is this code example?

- ◯ Not understandable at all
- ◯ Slightly understandable
- ◯ Understandable
- ◯ Very understandable

Example 3

```
01 private final FeatureRegistryProvider featureRegistryProvider;
02 JsUri jsUri;
03 FeatureRegistry registry=null;
04 String repository=jsUri.getRepository();
05 try
06 {
07 registry=featureRegistryProvider.get(repository);
08 }
09 if(registry != null)
10 {
11 List<String> features=registry.getFeatures(jsUri.getLibs());
12 for(String feature : features)
13 {
14 // feature -> String to escape values in, may be null
15 StringEscapeUtils.escapeEcmaScript(feature);
16 }
17 }
```

How understandable is this code example?

[C] org.apache.commons.lang3.StringUtils.split

Code Examples for Apache Commons Lang

The next code snippets exemplify the usage of the method:

> `org.apache.commons.lang3.StringUtils.split(java.lang.String,char)`

Example 1

```
1 String cacheControl=getHeader(HttpHeaders.CACHE_CONTROL);
2 // chacheControl -> the String to parse, may be null
3 // ',' -> the character used as the delimiter
4 StringUtils.split(cacheControl,',');
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 2

```
1 String str;
2 // str -> the String to parse, may be null
3 // '.' -> the character used as the delimiter
4 StringUtils.split(str,'.');
```

How understandable is this code example?

○

Example 3

```
1 String browserKey;
2 String[] entries=StringUtils.split(browserKey,',');
3 for(String entry : entries)
4 {
5 entry=entry.trim();
6 // entry -> the String to parse, may be null
7 // '-' -> the character used as the delimiter
8 StringUtils.split(entry,'-');
9 }
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

[R] org.apache.http.client.HttpClient.execute

Code Examples for Apache HttpClient

The next code snippets exemplify the usage of the method:

```
org.apache.http.client.HttpClient.execute(org.apache.http.client.method
```

Example 1

```
1 private HttpClient client;
2 private HttpPost post;
3 // post -> the request to execute
```

```
4 client.execute(post);
```

How useful is this code example in understanding the usage of the **execute** method?

- Not useful at all
- Slightly useful
- Useful
- Very useful

Example 2

```
1 private URI serviceRoot;
2 final HttpPost post=new HttpPost(serviceRoot);
3 HttpClient client=new DefaultHttpClient();
4 // post -> the request to execute
5 client.execute(post);
```

How useful is this code example in understanding the usage of the **execute** method?

- Not useful at all
- Slightly useful
- Useful
- Very useful

Example 3

```
1 HttpClient client=new DefaultHttpClient();
2 HttpPost post=new HttpPost("http:// localhost:9998/controller/router");
3 // post -> the request to execute
4 client.execute(post);
```

How useful is this code example in understanding the usage of the **execute** method?

- Not useful at all
- Slightly useful
- Useful
- Very useful

Example 4

```
1 private final org.apache.http.client.HttpClient backend;
2 HttpUriRequest request;
3 // request -> the request to execute
4 backend.execute(request);
```

How useful is this code example in understanding the usage of the `execute` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 5

```
1 protected String endpoint;
2 HttpClient httpClient=new DefaultHttpClient();
3 HttpPost method=new HttpPost(endpoint + "/oauth/token");
4 // method -> the request to execute
5 httpClient.execute(method);
```

How useful is this code example in understanding the usage of the `execute` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 6

```
1 HttpClient client;
2 HttpPost post=new HttpPost("http:// localhost:9998/controller/router");
3 // post -> the request to execute
4 client.execute(post);
```

How useful is this code example in understanding the usage of the `execute` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

[R] org.apache.http.client.methods.HttpRequestBase.getURI

Code Examples for Apache HttpClient

The next code snippets exemplify the usage of the method:

`org.apache.http.client.methods.HttpRequestBase.getURI()`

Example 1
```
1 HttpUriRequest request;
2 request.getURI();
```

How useful is this code example in understanding the usage of the `getURI` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 2
```
1 private HttpUriRequest uriRequest;
2 uriRequest=mock(HttpUriRequest.class);
3 uriRequest.getURI();
```

How useful is this code example in understanding the usage of the `getURI` method?

Example 3

```
1  String path;
2  String method;
3  HttpUriRequest request=setupRequest(path,method,vars);
4  request.getURI();
```

How useful is this code example in understanding the usage of the `getURI` method?

[R] org.apache.http.client.methods.HttpEntityEnclosingRequestBase.setEntity

Code Examples for Apache HttpClient

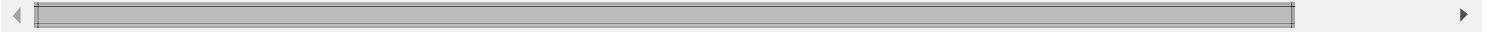The next code snippets exemplify the usage of the method:

```
org.apache.http.client.methods.HttpEntityEnclosingRequestBase.setEntity
        org.apache.http.HttpEntity)
```

Example 1

```
1  private HttpPost post;
2  List<NameValuePair> formparams=new ArrayList<NameValuePair>();
3  UrlEncodedFormEntity postEntity=new UrlEncodedFormEntity(formparams,"UT
4  post.setEntity(postEntity);
```

How useful is this code example in understanding the usage of the `setEntity` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1  InputStream data;
2  long contentLength;
3  String uri;
4  InputStreamEntity e=new InputStreamEntity(data,contentLength);
5  HttpPut hp=new HttpPut(uri);
6  hp.setEntity(e);
```

How useful is this code example in understanding the usage of the `setEntity` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1  InputStream content;
2  String uri;
3  InputStreamEntity e=new InputStreamEntity(content,-1);
4  HttpPost post=new HttpPost(uri);
5  post.setEntity(e);
```

How useful is this code example in understanding the usage of the `setEntity` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
1 String content;
2 HttpEntityEnclosingRequestBase request;
3 StringEntity e=new StringEntity(content,"UTF-8");
4 request.setEntity(e);
```

How useful is this code example in understanding the usage of the `setEntity` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 5

```
1 private String url="https:// rest.interfax.net/outbound/faxes?faxNumber
2 private String to;
3 private URI content;
4 HttpPost post=new HttpPost(url + to);
5 File file=new File(content);
6 FileEntity fileEntity=new FileEntity(file,URLConnection.guessContentTyp
7 post.setEntity(fileEntity);
```

How useful is this code example in understanding the usage of the `setEntity` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 6

```
1 protected final List<NameValuePair> params=new ArrayList<NameValuePair>
2 final HttpPost post=new HttpPost(uri);
3 post.setEntity(new UrlEncodedFormEntity(params));
```

How useful is this code example in understanding the usage of the `setEntity` method?

◄ |▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮| ►

[C] org.apache.http.client.HttpClient.execute

Code Examples for Apache HttpClient

The next code snippets exemplify the usage of the method:

> `org.apache.http.client.HttpClient.execute(org.apache.http.client.method`

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Example 1

```
1 private final HaxelibRepositoryLayout layout;
2 private final HttpClient httpClient;
3 for(ArtifactDownload artifactDownload : haxelibArtifacts)
4 {
5 Artifact artifact=artifactDownload.getArtifact();
6 String uri="http:// lib.haxe.org/" + layout.getPath(artifact.getArtifac
7 // newHttpGet(uri) -> the request to execute
8 httpClient.execute(new HttpGet(uri));
9 }
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

◄ |▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮| ►

Example 2

```
1 String redirectUri;
2 String sessionState;
3 HttpClient client=new DefaultHttpClient();
4 HttpGet get=new HttpGet(getLogoutUrl(redirectUri,sessionState));
5 // get -> the request to execute
6 client.execute(get);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 3

```
01 private URI serviceRoot;
02 List<NameValuePair> qparams=new ArrayList<NameValuePair>();
03 try
04 {
05 URI uri=URIUtils.createURI(serviceRoot.getScheme(),serviceRoot.getHost
06 serviceRoot.getPath(),URLEncodedUtils.format(qparams,"UTF-8"),null);
07 new HttpGet(uri);
08 HttpClient client=new DefaultHttpClient();
09 // httpget -> the request to execute
10 client.execute(httpget);
11 }
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

[C] org.apache.http.client.methods.HttpRequestBase.getURI

Code Examples for Apache HttpClient

The next code snippets exemplify the usage of the method:

`org.apache.http.client.methods.HttpRequestBase.getURI()`

Example 1

```
1 HttpUriRequest request;
2 request.getURI();
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○ Very understandable

Example 2

```
1 private HttpUriRequest uriRequest;
2 uriRequest=mock(HttpUriRequest.class);
3 uriRequest.getURI();
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○ Very understandable

[C] org.apache.http.client.methods.HttpEntityEnclosingRequestBase.setEntity

Code Examples for Apache HttpClient

The next code snippets exemplify the usage of the method:

`org.apache.http.client.methods.HttpEntityEnclosingRequestBase.setEntity`

```
                   org.apache.http.HttpEntity)
```

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Example 1
```
1 private HttpPost post;
2 List<NameValuePair> formparams=new ArrayList<NameValuePair>();
3 UrlEncodedFormEntity postEntity=new UrlEncodedFormEntity(formparams,"UT
4 post.setEntity(postEntity);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

◄ | | ▶

Example 2
```
1 InputStream content;
2 String uri;
3 InputStreamEntity e=new InputStreamEntity(content,-1);
4 HttpPost post=new HttpPost(uri);
5 post.setEntity(e);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 3
```
1 protected String endpoint;
2 String uri;
```

```
3 String fullUri=endpoint + "/api/rest/v1/" + uri;
4 HttpPost method=new HttpPost(fullUri);
5 method.setEntity(mapToFormEntity(params));
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 4
```
1 private String account;
2 String to;
3 String body;
4 try
5 {
6 HttpPost post=new HttpPost("https:// api.esendex.com/v1.0/messagedispat
7 StringEntity stringEntity=new StringEntity(createXML(to,body,account));
8 post.setEntity(stringEntity);
9 }
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

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[R] org.apache.poi.ss.usermodel.Row.createCell

Code Examples for Apache POI

The next code snippets exemplify the usage of the method:

```
org.apache.poi.ss.usermodel.Row.createCell(int)
```

Example 1

```
01 final Object[] values=getValues();
02 final Row row=getUpdateCallback().createRow(getTable().getName());
03 final Column[] columns=getColumns();
04 for(int i=0; i < columns.length; i++)
05 {
06 Object value=values[i];
07 if(value != null)
08 {
09 int columnNumber=columns[i].getColumnNumber();
10 // columnNumber -> - the column number this cell represents
11 row.createCell(columnNumber);
12 }
13 }
```

How useful is this code example in understanding the usage of the `createCell` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
01 private final SpecificationLoader specificationLoader;
02 private final AdapterManager adapterManager;
03 @SuppressWarnings({"unchecked","deprecation"}) private static final Fi
04         VISIBLE_PROPERTIES=Filters.and(ObjectAssociation.Filters.PROPE
05         ObjectAssociation.Filters.staticallyVisible(Where.STANDALONE_T
06 final ObjectSpecification objectSpec=specificationLoader.loadSpecifica
07 final List<ObjectAdapter> adapters=Lists.transform(domainObjects,
08 ObjectAdapter.Functions.adapterForUsing(adapterManager));
09 @SuppressWarnings("deprecation") final List<? extends ObjectAssociatio
10         objectSpec.getAssociations(VISIBLE_PROPERTIES);
11 final Workbook wb=new XSSFWorkbook();
12 final String sheetName=cls.getSimpleName();
13 final Sheet sheet=wb.createSheet(sheetName);
14 final ExcelConverter.RowFactory rowFactory=new RowFactory(sheet);
15 final Row headerRow=rowFactory.newRow();
16 int i=0;
17 for(ObjectAssociation property : propertyList)
18 {
19 // (short)i++ -> - the column number this cell represents
20 final Cell cell=headerRow.createCell((short)i++);
21 }
```

How useful is this code example in understanding the usage of the `createCell` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1 Row row;
2 CellDescriptor cellDescriptor;
3 // cellDescriptor.getColumnNumber() -> - the column number this cell re
4 row.createCell(cellDescriptor.getColumnNumber());
```

How useful is this code example in understanding the usage of the `createCell` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
01 private static final String XLS="odatajclient-perf.xls";
02 final Map<String,Map<String,Double>> testData=new TreeMap<String,Map<S
03 final HSSFWorkbook workbook=new HSSFWorkbook(new FileInputStream(args[
04        File.separator+ "test"+ File.separator+ "resources"+ File.sepa
05 for(Map.Entry<String,Map<String,Double>> entry : testData.entrySet())
06 {
07 final Sheet sheet=workbook.getSheet(entry.getKey());
08 int rows=0;
09 for(Map.Entry<String,Double> subentry : entry.getValue().entrySet())
10 {
11 final Row row=sheet.createRow(rows++);
12 // 0 -> - the column number this cell represents
13 row.createCell(0);
14 }
15 }
```

How useful is this code example in understanding the usage of the `createCell` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 5

```
01 int i=0;
02 for(Collection<Object> row : data)
03 {
04 Row excelRow=sheet.getNativeSheet().createRow(i);
05 int j=0;
06 for(Object column : row)
07 {
08 // j -> - the column number this cell represents
09 excelRow.createCell(j);
10 }
11 }
```

How useful is this code example in understanding the usage of the `createCell` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

[R] org.apache.poi.hssf.usermodel.HSSFWorkbook.createSheet

Code Examples for Apache POI

The next code snippets exemplify the usage of the method:

`org.apache.poi.hssf.usermodel.HSSFWorkbook.createSheet(java.lang.String`

Example 1

```
1 HSSFWorkbook wb=new HSSFWorkbook();
2 // "Sheet" -> sheetname to set for the sheet.
3 wb.createSheet("Sheet");
```

How useful is this code example in understanding the usage of the `createSheet` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 2

```
1 HSSFWorkbook wb;
2 String sheetName;
3 // sheetName -> sheetname to set for the sheet.
4 wb.createSheet(sheetName);
```

How useful is this code example in understanding the usage of the `createSheet` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 3

```
1 protected HSSFWorkbook workbook=new HSSFWorkbook();
2 String titleName;
3 // titleName -> sheetname to set for the sheet.
4 workbook.createSheet(titleName);
```

How useful is this code example in understanding the usage of the `createSheet` method?

- ○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
1 private String sheetName="new sheet";
2 HSSFWorkbook wb=new HSSFWorkbook();
3 // sheetName -> sheetname to set for the sheet.
4 wb.createSheet(sheetName);
```

How useful is this code example in understanding the usage of the `createSheet` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 5

```
01 /**
02  * the xls workbook
03  */
04 private HSSFWorkbook workBook;
05 /**
06  * the name of the sheet that holds the report
07  */
08 private String sheetName="Report";
09 workBook=new HSSFWorkbook();
10 // sheetName -> sheetname to set for the sheet.
11 workBook.createSheet(sheetName);
```

How useful is this code example in understanding the usage of the `createSheet` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Code Examples for Apache POI

The next code snippets exemplify the usage of the method:

`org.apache.poi.ss.usermodel.Workbook.write(java.io.OutputStream)`

Example 1

```
01 private File saveFile=null;
02 private Boolean writeRequired=false;
03 private Workbook workbook=null;
04 if(saveFile != null && writeRequired)
05 {
06 FileOutputStream fileOut;
07 try
08 {
09 File newFile=File.createTempFile("xlsdriver","xlsx");
10 fileOut=new FileOutputStream(newFile);
11 // fileOut -> - the java OutputStream you wish to write to
12 workbook.write(fileOut);
13 }
14 }
```

How useful is this code example in understanding the usage of the `write` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1 File file;
2 Workbook workbook;
3 FileOutputStream fileOut=null;
4 fileOut=new FileOutputStream(file);
5 // fileOut -> - the java OutputStream you wish to write to
6 workbook.write(fileOut);
```

How useful is this code example in understanding the usage of the `write` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1 private final Workbook workbook;
2 ByteArrayOutputStream baos=new ByteArrayOutputStream();
3 // baos -> - the java OutputStream you wish to write to
4 workbook.write(baos);
```

How useful is this code example in understanding the usage of the `write` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
01 private String templetFile;
02 private Map<String,Object> beans=Maps.newHashMap();
03 try
04 {
05 OutputStream out=response.getOutputStream();
06 InputStream is=new BufferedInputStream(new FileInputStream(templetFile
07 XLSTransformer transformer=new XLSTransformer();
08 Workbook workBook=transformer.transformXLS(is,beans);
09 // out -> - the java OutputStream you wish to write to
10 workBook.write(out);
11 }
```

How useful is this code example in understanding the usage of the `write` method?

○ Not useful at all

○ Slightly useful

Example 5

```
1 protected Workbook workbook;
2 protected OutputStream outputStream;
3 // outputStream -> - the java OutputStream you wish to write to
4 workbook.write(outputStream);
```

How useful is this code example in understanding the usage of the `write` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 6

```
1 private final OutputStream outputStream;
2 // outputStream -> - the java OutputStream you wish to write to
3 getWorkbook().write(outputStream);
```

How useful is this code example in understanding the usage of the `write` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

[C] org.apache.poi.ss.usermodel.Row.createCell

Code Examples for Apache POI

The next code snippets exemplify the usage of the method:

```
org.apache.poi.ss.usermodel.Row.createCell(int)
```

Example 1

```
01 private static final String XLS="odatajclient-perf.xls";
02 final Map<String,Map<String,Double>> testData=new TreeMap<String,Map<S
03 final HSSFWorkbook workbook=new HSSFWorkbook(new FileInputStream(args[
04         File.separator+ "test"+ File.separator+ "resources"+ File.sepa
05 for(Map.Entry<String,Map<String,Double>> entry : testData.entrySet())
06 {
07 final Sheet sheet=workbook.getSheet(entry.getKey());
08 int rows=0;
09 for(Map.Entry<String,Double> subentry : entry.getValue().entrySet())
10 {
11 final Row row=sheet.createRow(rows++);
12 // 0 -> - the column number this cell represents
13 row.createCell(0);
14 }
15 }
```

How understandable is this code example?

- ◯ Not understandable at all
- ◯ Slightly understandable
- ◯ Understandable
- ◯ Very understandable

Example 2

```
01 int i=0;
02 for(Collection<Object> row : data)
03 {
04 Row excelRow=sheet.getNativeSheet().createRow(i);
05 int j=0;
06 for(Object column : row)
07 {
08 // j -> - the column number this cell represents
09 excelRow.createCell(j);
10 }
11 }
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

[C] org.apache.poi.hssf.usermodel.HSSFWorkbook.createSheet

Code Examples for Apache POI

The next code snippets exemplify the usage of the method:

```
org.apache.poi.hssf.usermodel.HSSFWorkbook.createSheet(java.lang.String
```

◄ ▶

Example 1

```
1 private String sheetName="new sheet";
2 HSSFWorkbook wb=new HSSFWorkbook();
3 // sheetName -> sheetname to set for the sheet.
4 wb.createSheet(sheetName);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 2

```
1 HSSFWorkbook wb;
2 String sheetName;
3 // sheetName -> sheetname to set for the sheet.
4 wb.createSheet(sheetName);
```

How understandable is this code example?

[C] org.apache.poi.ss.usermodel.Workbook.write

Code Examples for Apache POI

The next code snippets exemplify the usage of the method:

`org.apache.poi.ss.usermodel.Workbook.write(java.io.OutputStream)`

Example 1

```
1 private final Workbook workbook;
2 ByteArrayOutputStream baos=new ByteArrayOutputStream();
3 // baos -> - the java OutputStream you wish to write to
4 workbook.write(baos);
```

How understandable is this code example?

Example 2

```
01 private String templetFile;
02 private Map<String,Object> beans=Maps.newHashMap();
03 try
04 {
05 OutputStream out=response.getOutputStream();
```

```
06 InputStream is=new BufferedInputStream(new FileInputStream(templetFile
07 XLSTransformer transformer=new XLSTransformer();
08 Workbook workBook=transformer.transformXLS(is,beans);
09 // out -> - the java OutputStream you wish to write to
10 workBook.write(out);
11 }
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 3
```
1 private final OutputStream outputStream;
2 // outputStream -> - the java OutputStream you wish to write to
3 getWorkbook().write(outputStream);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

[R] org.apache.tika.sax.XHTMLContentHandler.characters

Code Examples for Apache Tika

The next code snippets exemplify the usage of the method:

org.apache.tika.sax.XHTMLContentHandler.characters(java.lang.String)

Example 1

```
01 private final boolean extractAnnotationText;
02 private final XHTMLContentHandler handler;
03 PDPage page;
04 try
05 {
06 if(extractAnnotationText)
07 {
08 for(Object o : page.getAnnotations())
09 {
10 if((o instanceof PDAnnotation) && PDAnnotationMarkup.SUB_TYPE_FREETEXT
11         (PDAnnotation)o).getSubtype()))
12 {
13 PDAnnotationMarkup annot=(PDAnnotationMarkup)o;
14 String subject=annot.getTitlePopup();
15 handler.characters(subject);
16 }
17 }
18 }
19 }
```

How useful is this code example in understanding the usage of the `characters` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1 private final XHTMLContentHandler handler;
2 String text;
3 handler.characters(text);
```

How useful is this code example in understanding the usage of the `characters` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1 private final XHTMLContentHandler handler;
2 handler.characters(getWordSeparator());
```

How useful is this code example in understanding the usage of the **characters** method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 4

```
1 InputStream stream;
2 ContentHandler handler;
3 Metadata metadata;
4 PdfReader reader=new PdfReader(stream);
5 XHTMLContentHandler xhtml=new XHTMLContentHandler(handler,metadata);
6 xhtml.characters(new String(PDFParser.extractText(reader).getBytes("UTF
```

How useful is this code example in understanding the usage of the **characters** method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 5

```
1 private final XHTMLContentHandler handler;
2 TextPosition text;
3 handler.characters(text.getCharacter());
```

How useful is this code example in understanding the usage of the **characters** method?

- ○ Not useful at all
- ○

[R] org.apache.tika.mime.MediaType.parse

Code Examples for Apache Tika

The next code snippets exemplify the usage of the method:

`org.apache.tika.mime.MediaType.parse(java.lang.String)`

Example 1

```
1 String contentType;
2 // contentType -> media type string to be parsed
3 MediaType.parse(contentType);
```

How useful is this code example in understanding the usage of the `parse` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1 // "application/x-internet-archive" -> media type string to be parsed
2 MediaType.parse("application/x-internet-archive");
```

How useful is this code example in understanding the usage of the `parse` method?

○ Not useful at all

○ Slightly useful

○ Useful

○

Example 3

```
01 IdentificationResult r=results.get(0);
02 String mimeType=null;
03 String mimeTypeString=r.getMimeType();
04 if(mimeTypeString != null && !"".equals(mimeTypeString.trim()))
05 {
06 String[] mimeTypeList=mimeTypeString.split(", ");
07 mimeType=mimeTypeList[0];
08 if(mimeType.indexOf('/') == -1)
09 {
10 mimeType="application/" + mimeType;
11 }
12 }
13 // mimeType -> media type string to be parsed
14 MediaType.parse(mimeType);
```

How useful is this code example in understanding the usage of the `parse` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
1 Metadata metadata;
2 // metadata.get(Metadata.CONTENT_TYPE) -> media type string to be parse
3 MediaType.parse(metadata.get(Metadata.CONTENT_TYPE));
```

How useful is this code example in understanding the usage of the `parse` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 5

```
1 Metadata metadata;
2 String providedType=metadata.get(Metadata.CONTENT_TYPE);
3 // providedType -> media type string to be parsed
4 MediaType.parse(providedType);
```

How useful is this code example in understanding the usage of the `parse` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

[R] org.apache.tika.metadata.Metadata.set

Code Examples for Apache Tika

The next code snippets exemplify the usage of the method:

org.apache.tika.metadata.Metadata.set(java.lang.String,java.lang.String

Example 1

```
1 Metadata metadata;
2 PdfReader reader;
3 // "pdf:openedWithFullPermissions" -> the metadata name.
4 // ""+reader.isOpenedWithFullPermissions() -> the metadata value, or <c
5 metadata.set("pdf:openedWithFullPermissions","" + reader.isOpenedWithFu
```

How useful is this code example in understanding the usage of the `set` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1 private final Metadata metadata;
2 TemporaryResources tmp=new TemporaryResources();
3 File file=tmp.createTemporaryFile();
4 ISO9660FS iso=new ISO9660FS(file,true);
5 ISO9660VolumeDescriptorSet vds=iso.getVolumeDescriptorSet();
6 // "iso:encoding" -> the metadata name.
7 // vds.getEncoding() -> the metadata value, or <code>null</code>
8 metadata.set("iso:encoding",vds.getEncoding());
```

How useful is this code example in understanding the usage of the `set` method?

◯ Not useful at all

◯ Slightly useful

◯ Useful

◯ Very useful

Example 3

```
1 String fileName;
2 final Metadata meta=new Metadata();
3 // Metadata.RESOURCE_NAME_KEY -> the metadata name.
4 // fileName -> the metadata value, or <code>null</code>
5 meta.set(Metadata.RESOURCE_NAME_KEY,fileName);
```

How useful is this code example in understanding the usage of the `set` method?

◯ Not useful at all

◯ Slightly useful

◯ Useful

◯ Very useful

Example 4

```
01 public static final String EXT_MIME_TYPE="Extended-MIME-Type";
02 Metadata metadata;
```

```java
03 String providedType=metadata.get(Metadata.CONTENT_TYPE);
04 MediaType tikaType=null;
05 if(providedType == null)
06 {
07 tikaType=MediaType.parse(metadata.get(Metadata.CONTENT_TYPE));
08 }
09 tikaType=MediaType.parse(providedType);
10 HashMap<String,String> hm=new HashMap<String,String>();
11 String software=null;
12 if(metadata.get(Metadata.APPLICATION_NAME) != null)
13 {
14 software=metadata.get(Metadata.APPLICATION_NAME);
15 }
16 if(metadata.get(Metadata.APPLICATION_VERSION) != null)
17 {
18 software+=" " + metadata.get(Metadata.APPLICATION_VERSION);
19 }
20 if(metadata.get("pdf:producer") != null)
21 {
22 software=metadata.get("pdf:producer");
23 }
24 if(metadata.get("Software") != null)
25 {
26 software=metadata.get("Software");
27 }
28 if(metadata.get(Metadata.SOFTWARE) != null)
29 {
30 software=metadata.get(Metadata.SOFTWARE);
31 }
32 if(metadata.get("generator") != null)
33 {
34 software=metadata.get("generator");
35 }
36 String png_textentry=metadata.get("tEXt tEXtEntry");
37 if(png_textentry != null && png_textentry.contains("keyword=Software,
38 {
39 software=png_textentry.replace("keyword=Software, value=","");
40 }
41 if(software != null)
42 {
43 hm.put("software",software);
44 }
45 if(metadata.get("pdf:creator") != null)
46 {
47 hm.put("source",metadata.get("pdf:creator"));
48 }
49 if(metadata.get("pdf:version") != null)
50 {
51 hm.put("version",metadata.get("pdf:version"));
52 }
53 tikaType=new MediaType(tikaType,hm);
54 // EXT_MIME_TYPE -> the metadata name.
55 // tikaType.toString() -> the metadata value, or <code>null</code>
56 metadata.set(EXT_MIME_TYPE,tikaType.toString());
```

How useful is this code example in understanding the usage of the `set` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 5

```
01  PdfReader reader;
02  Metadata metadata;
03  try
04  {
05  byte[] xmpmd=reader.getMetadata();
06  if(xmpmd != null)
07  {
08  XMPMetadata xmp=XMPMetadata.load(new ByteArrayInputStream(xmpmd));
09  XMPSchemaPDFA pdfaxmp=(XMPSchemaPDFA)xmp.getSchemaByClass(XMPSchemaPDF
10  // "pdfaid:part" -> the metadata name.
11  // pdfaxmp.getPart() -> the metadata value, or <code>null</code>
12  metadata.set("pdfaid:part",pdfaxmp.getPart());
13  }
14  }
```

How useful is this code example in understanding the usage of the `set` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 6

```
01  PdfReader reader;
02  Metadata metadata;
03  try
04  {
05  byte[] xmpmd=reader.getMetadata();
06  if(xmpmd != null)
```

```
07 {
08 XMPMetadata xmp=XMPMetadata.load(new ByteArrayInputStream(xmpmd));
09 XMPSchemaPDFA pdfaxmp=(XMPSchemaPDFA)xmp.getSchemaByClass(XMPSchemaPDF
10 if(pdfaxmp != null)
11 {
12 String version="A-" + pdfaxmp.getPart() + pdfaxmp.getConformance().toL
13 // "pdf:version" -> the metadata name.
14 // version -> the metadata value, or <code>null</code>
15 metadata.set("pdf:version",version);
16 }
17 }
18 }
```

How useful is this code example in understanding the usage of the `set` method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

[C] org.apache.tika.sax.XHTMLContentHandler.characters

Code Examples for Apache Tika

The next code snippets exemplify the usage of the method:

org.apache.tika.sax.XHTMLContentHandler.characters(java.lang.String)

Example 1

```
1 private final XHTMLContentHandler handler;
2 String text;
3 handler.characters(text);
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○

Very understandable

Example 2

```
1 private final XHTMLContentHandler handler;
2 handler.characters(getWordSeparator());
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 3

```
1 InputStream stream;
2 ContentHandler handler;
3 Metadata metadata;
4 PdfReader reader=new PdfReader(stream);
5 XHTMLContentHandler xhtml=new XHTMLContentHandler(handler,metadata);
6 xhtml.characters(new String(PDFParser.extractText(reader).getBytes("UTF
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

◀ ▶

[C] org.apache.tika.mime.MediaType.parse

Code Examples for Apache Tika

The next code snippets exemplify the usage of the method:

```
org.apache.tika.mime.MediaType.parse(java.lang.String)
```

Example 1

```
01 IdentificationResult r=results.get(0);
02 String mimeType=null;
03 String mimeTypeString=r.getMimeType();
04 if(mimeTypeString != null && !"".equals(mimeTypeString.trim()))
05 {
06 String[] mimeTypeList=mimeTypeString.split(", ");
07 mimeType=mimeTypeList[0];
08 if(mimeType.indexOf('/') == -1)
09 {
10 mimeType="application/" + mimeType;
11 }
12 }
13 if(mimeType != null && !"".equals(mimeType))
14 {
15 }
16 String id="puid-" + r.getPuid().replace("/","-");
17 // "application/x-"+id -> media type string to be parsed
18 MediaType.parse("application/x-" + id);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 2

```
1 String expected;
2 // expected -> media type string to be parsed
3 MediaType.parse(expected);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○

Very understandable

Example 3

```
1 // "application/pdf" -> media type string to be parsed
2 MediaType.parse("application/pdf");
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 4

```
1 // "application/x-iso9660-image" -> media type string to be parsed
2 MediaType.parse("application/x-iso9660-image");
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

[C] org.apache.tika.metadata.Metadata.set

Code Examples for Apache Tika

The next code snippets exemplify the usage of the method:

```
org.apache.tika.metadata.Metadata.set(java.lang.String,java.lang.String
```

Example 1

```
1 Metadata metadata;
2 PdfReader reader;
3 // "pdf:tampered" -> the metadata name.
4 // ""+reader.isTampered() -> the metadata value, or <code>null</code>
5 metadata.set("pdf:tampered","" + reader.isTampered());
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 2

```
01 PdfReader reader;
02 Metadata metadata;
03 try
04 {
05 byte[] xmpmd=reader.getMetadata();
06 if(xmpmd != null)
07 {
08 XMPMetadata xmp=XMPMetadata.load(new ByteArrayInputStream(xmpmd));
09 XMPSchemaPDFA pdfaxmp=(XMPSchemaPDFA)xmp.getSchemaByClass(XMPSchemaPDF
10 // "pdfaid:conformance" -> the metadata name.
11 // pdfaxmp.getConformance() -> the metadata value, or <code>null</code
12 metadata.set("pdfaid:conformance",pdfaxmp.getConformance());
13 }
14 }
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 3

```
1 private static PreservationParser pika=new PreservationParser();
2 String tikaType=MediaType.OCTET_STREAM.toString();
3 Metadata md=new Metadata();
4 tikaType=pika.getDetector().detect(TikaInputStream.get(payload,md),md).
5 // Metadata.CONTENT_TYPE -> the metadata name.
6 // tikaType.toString() -> the metadata value, or <code>null</code>
7 md.set(Metadata.CONTENT_TYPE,tikaType.toString());
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

[R] org.apache.xerces.dom.NodeImpl.appendChild

Code Examples for Apache Xerces

The next code snippets exemplify the usage of the method:

> `org.apache.xerces.dom.NodeImpl.appendChild(org.w3c.dom.Node)`

Example 1

```
1 CoreDocumentImpl document;
2 ElementImpl element=new ElementImpl(document,"jeeapplicationserver");
3 ElementImpl jmsconnectionfactories=new ElementImpl(document,"jmsconnect
4 element.appendChild(jmsconnectionfactories);
```

How useful is this code example in understanding the usage of the `appendChild` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1 CoreDocumentImpl document;
2 ElementImpl groups=new ElementImpl(document,"groups");
3 for(Iterator groupIterator=this.getGroups().iterator(); groupIterator.h
4 {
5 Group group=(Group)groupIterator.next();
6 groups.appendChild(group.toDOMElement(document));
7 }
```

How useful is this code example in understanding the usage of the `appendChild` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1 CoreDocumentImpl document;
2 ElementImpl shutdowncommand=new ElementImpl(document,"shutdowncommand")
3 CDATASectionImpl shutdowncommandContent=new CDATASectionImpl(document,t
4 shutdowncommand.appendChild(shutdowncommandContent);
```

How useful is this code example in understanding the usage of the `appendChild` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
1 CoreDocumentImpl document;
```

```
2 ElementImpl element=new ElementImpl(document,"environment");
3 element.appendChild(this.getJEEApplicationServers().toDOMElement(docume
```

How useful is this code example in understanding the usage of the **appendChild** method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

Example 5

```
1 CoreDocumentImpl document;
2 ElementImpl updateplan=new ElementImpl(document,"updateplan");
3 for(Iterator updatePlanIterator=this.getUpdatePlan().iterator(); update
4 {
5 Object item=updatePlanIterator.next();
6 updateplan.appendChild(((Location)item).toDOMElement(document));
7 }
```

How useful is this code example in understanding the usage of the **appendChild** method?

- ○ Not useful at all
- ○ Slightly useful
- ○ Useful
- ○ Very useful

[R] org.apache.xerces.parsers.AbstractSAXParser.setFeature

Code Examples for Apache Xerces

The next code snippets exemplify the usage of the method:

org.apache.xerces.parsers.AbstractSAXParser.setFeature(java.lang.String

Example 1

```
1  private final HtmlPage page_;
2  private static final String FEATURE_PARSE_NOSCRIPT =
3          "http://cyberneko.org/html/features/parse-noscript-content";
4  final DomNode node;
5  this.page_=(HtmlPage)node.getPage();
6  // FEATURE_PARSE_NOSCRIPT -> The unique identifier (URI) of the feature
7  // !page_.getWebClient().isJavaScriptEnabled() -> The requested state o
8  setFeature(FEATURE_PARSE_NOSCRIPT,!page_.getWebClient().isJavaScriptEna
```

How useful is this code example in understanding the usage of the `setFeature` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
1  final DomNode parent;
2  final HtmlPage page=(HtmlPage)parent.getPage();
3  final URL url=page.getWebResponse().getRequestSettings().getUrl();
4  final HtmlUnitDOMBuilder domBuilder=new HtmlUnitDOMBuilder(parent,url);
5  // "http://cyberneko.org/html/features/balance-tags/document-fragment"
5  //          the feature.
6  // true -> The requested state of the feature (true or false).
7  domBuilder.setFeature("http://cyberneko.org/html/features/balance-tags/
```

How useful is this code example in understanding the usage of the `setFeature` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1 private static final String FEATURE_AUGMENTATIONS="http:// cyberneko.or
2 // FEATURE_AUGMENTATIONS -> The unique identifier (URI) of the feature.
3 // true -> The requested state of the feature (true or false).
4 setFeature(FEATURE_AUGMENTATIONS,true);
```

How useful is this code example in understanding the usage of the **setFeature** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 4

```
1 // "http://cyberneko.org/html/features/balance-tags/ignore-outside-cont
2 //              of the feature.
3 // IgnoreOutsideContent_ -> The requested state of the feature (true or
4 setFeature("http://cyberneko.org/html/features/balance-tags/ignore-outs
```

How useful is this code example in understanding the usage of the **setFeature** method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

[R] org.apache.xml.serialize.XMLSerializer.XMLSerializer

Code Examples for Apache Xerces

The next code snippets exemplify the usage of the method:

**org.apache.xml.serialize.XMLSerializer.XMLSerializer(java.io.OutputStre
org.apache.xml.serialize.OutputFormat)**

Example 1

```
1 final File fileName;
2 File projectFile=new File(fileName + ".cbx");
3 OutputStream outStream=new FileOutputStream(projectFile);
4 OutputFormat format=new OutputFormat("xml","UTF-8",true);
5 // outStream -> The output stream to use
6 // format -> The output format to use, null for the default
7 new XMLSerializer(outStream,format);
```

How useful is this code example in understanding the usage of the `XMLSerializer` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 2

```
01 String path;
02 try
03 {
04 OutputFormat format=new OutputFormat();
05 if(path.startsWith("http:") || path.startsWith("http:"))
06 {
07 throw new KalumetException("Can't write journal file over a HTTP URL")
08 }
09 if(path.startsWith("file:") || path.startsWith("FILE:"))
10 {
11 path=path.substring(5);
12 }
13 }
14 // newFileOutputStream(path) -> The output stream to use
15 // format -> The output format to use, null for the default
16 new XMLSerializer(new FileOutputStream(path),format);
```

How useful is this code example in understanding the usage of the `XMLSerializer` method?

○ Not useful at all

○ Slightly useful

○ Useful

○ Very useful

Example 3

```
1  private String basedir;
2  public final static String MAIN_LOG_FILE="log.xml";
3  OutputFormat format=new OutputFormat();
4  // newFileOutputStream(this.basedir+"/"+MAIN_LOG_FILE) -> The output st
5  // format -> The output format to use, null for the default
6  new XMLSerializer(new FileOutputStream(this.basedir + "/" + MAIN_LOG_FI
```

How useful is this code example in understanding the usage of the `XMLSerializer` method?

- ◯ Not useful at all
- ◯ Slightly useful
- ◯ Useful
- ◯ Very useful

◄ ▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮ ►

[C] org.apache.xerces.dom.NodeImpl.appendChild

Code Examples for Apache Xerces

The next code snippets exemplify the usage of the method:

org.apache.xerces.dom.NodeImpl.appendChild(org.w3c.dom.Node)

Example 1

```
1  CoreDocumentImpl document;
2  ElementImpl element=new ElementImpl(document,"environment");
3  element.appendChild(this.getJEEApplicationServers().toDOMElement(docume
```

How understandable is this code example?

- ◯ Not understandable at all
- ◯ Slightly understandable
- ◯ Understandable
- ◯ Very understandable

Example 2

```
1 CoreDocumentImpl document;
2 ElementImpl element=new ElementImpl(document,"environment");
3 ElementImpl notes=new ElementImpl(document,"notes");
4 element.appendChild(notes);
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○ Very understandable

Example 3

```
1 CoreDocumentImpl document;
2 ElementImpl logfiles=new ElementImpl(document,"logfiles");
3 for(Iterator logFileIterator=this.getLogFiles().iterator(); logFileIter
4 {
5 LogFile logFile=(LogFile)logFileIterator.next();
6 logfiles.appendChild(logFile.toDOMElement(document));
7 }
```

How understandable is this code example?

- ○ Not understandable at all
- ○ Slightly understandable
- ○ Understandable
- ○ Very understandable

Example 4

```
1 CoreDocumentImpl document;
2 ElementImpl publishers=new ElementImpl(document,"publishers");
```

```
3 for(Iterator publisherIterator=this.getPublishers().iterator(); publish
4 {
5 Email email=(Email)publisherIterator.next();
6 publishers.appendChild(email.toDOMElement(document));
7 }
```

How understandable is this code example?

- Not understandable at all
- Slightly understandable
- Understandable
- Very understandable

[C] org.apache.xerces.parsers.AbstractSAXParser.setFeature

Code Examples for Apache Xerces

The next code snippets exemplify the usage of the method:

org.apache.xerces.parsers.AbstractSAXParser.setFeature(java.lang.String

Example 1

```
1 final DomNode parent;
2 final HtmlPage page=(HtmlPage)parent.getPage();
3 final URL url=page.getWebResponse().getRequestSettings().getUrl();
4 final HtmlUnitDOMBuilder domBuilder=new HtmlUnitDOMBuilder(parent,url);
5 // "http://cyberneko.org/html/features/balance-tags/document-fragment"
6 //        of the feature.
7 // true -> The requested state of the feature (true or false).
8 domBuilder.setFeature("http://cyberneko.org/html/features/balance-tags/
```

How understandable is this code example?

- Not understandable at all
- Slightly understandable
- Understandable
- Very understandable

Example 2

```
1 // "http://cyberneko.org/html/features/balance-tags/ignore-outside-cont
2 //          of the feature.
3 // IgnoreOutsideContent_ -> The requested state of the feature (true or
4 setFeature("http://cyberneko.org/html/features/balance-tags/ignore-outs
```

How understandable is this code example?

- ◯ Not understandable at all
- ◯ Slightly understandable
- ◯ Understandable
- ◯ Very understandable

Example 3

```
01 private final HtmlPage page_;
02 final DomNode node;
03 this.page_=(HtmlPage)node.getPage();
04 final HTMLParserListener listener=page_.getWebClient().getHTMLParserLi
05 final boolean reportErrors;
06 if(listener != null)
07 {
08 reportErrors=true;
09 }
10 reportErrors=false;
11 // "http:// cyberneko.org/html/features/report-errors" -> The unique i
12 // reportErrors -> The requested state of the feature (true or false).
13 setFeature("http:// cyberneko.org/html/features/report-errors",reportE
```

How understandable is this code example?

- ◯ Not understandable at all
- ◯ Slightly understandable
- ◯ Understandable
- ◯ Very understandable

Code Examples for Apache Xerces

The next code snippets exemplify the usage of the method:

```
org.apache.xml.serialize.XMLSerializer.XMLSerializer(java.io.OutputStre
            org.apache.xml.serialize.OutputFormat)
```

Example 1

```
01 String path;
02 try
03 {
04 OutputFormat format=new OutputFormat();
05 if(path.startsWith("http:") || path.startsWith("http:"))
06 {
07 throw new KalumetException("Can't write journal file over a HTTP URL")
08 }
09 if(path.startsWith("file:") || path.startsWith("FILE:"))
10 {
11 path=path.substring(5);
12 }
13 }
14 // newFileOutputStream(path) -> The output stream to use
15 // format -> The output format to use, null for the default
16 new XMLSerializer(new FileOutputStream(path),format);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Example 2

```
1 final File fileName;
2 OutputStream outStream=new FileOutputStream(fileName + ".vcproj");
```

```
3 OutputFormat format=new OutputFormat("xml","UTF-8",true);
4 // outStream -> The output stream to use
5 // format -> The output format to use, null for the default
6 new XMLSerializer(outStream,format);
```

How understandable is this code example?

○ Not understandable at all

○ Slightly understandable

○ Understandable

○ Very understandable

Comments

Comments

1. Do you have any comments on the code examples presented in this survey?

2. Your opinion is important to us. Please, share your email address if we can contact you to follow up on any of your responses.