

# Class TextAnalyzer

java.lang.Object  
TextAnalyzer

```
public class TextAnalyzer extends Object
```

This class connects to an HTML document and creates a list of the top 20 words that appear most frequently.

## Constructor Summary

### Constructors

Constructor
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Description
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<code>TextAnalyzer(String doc)</code>
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Constructs a TextAnalyzer object with the specified document URL.

## Method Summary

### All MethodsStatic MethodsConcrete Methods

Modifier and Type
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Method
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Description
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<code>static void</code>
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<code>main(String[] args)</code>
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The main method creates a TextAnalyzer object with a specified HTML document URL.

### Methods inherited from class java.lang.Object

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

## Constructor Details

### TextAnalyzer

```
public TextAnalyzer(String doc) throws IOException
```

Constructs a TextAnalyzer object with the specified document URL.

#### Parameters:

`doc` - the URL of the HTML document to analyze

#### Throws:

`IOException` - if an error occurs while connecting to the document

## Method Details

### main

```
public static void main(String[] args) throws IOException
```

The main method creates a `TextAnalyzer` object with a specified HTML document URL.

#### Parameters:

`args` - the command-line arguments

#### Throws:

`IOException`

## Class TextAnalyzerTest

`java.lang.Object`

`TextAnalyzerTest`

---

```
public class TextAnalyzerTest extends Object
```

Test class for the `TextAnalyzer` class.

## Constructor Summary

### Constructors

Constructor
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Description
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<code>TextAnalyzerTest()</code>
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## Method Summary

All Methods	Instance Methods	Concrete Methods
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Modifier and Type
-------------------

Method
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Description
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<code>void</code>
-------------------

<code>testInput()</code>
--------------------------

Test case for a valid URL input.

<code>void</code>
-------------------

<code>testInput2()</code>
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Test case for invalid URL input.

## Methods inherited from class java.lang.Object

`equals`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

## Constructor Details

### TextAnalyzerTest

```
public TextAnalyzerTest()
```

## Method Details

### testInput

```
@Test public void testInput()
```

Test case for a valid URL input. Validates that creating a TextAnalyzer object with a valid URL does not throw an exception.

### testInput2

```
@Test public void testInput2()
```

Test case for invalid URL input. Ensures that attempting to connect to an invalid URL will throw an exception.