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## Java Code Examples for java.text.BreakIterator

The following code examples are extracted from open source projects. You can click  to vote up the examples you like. Your votes will be used in an intelligent system to get more and better code examples. Thanks for your votes!

### Code Example 1:



8

From project book, under directory /src/test/java/com/tamjintext/sentences/.

Source SentenceDetectionTest.java

```
@Test public void testBreakIterator(){
    BreakIterator sentIterator=BreakIterator.getSentenceInstance(Locale.US);
    String testString="This is a sentence. It has fruits, vegetables," + " etc. but does not have meat. Mr. Smith went to Washington.";
    sentIterator.setText(testString);
    int start=sentIterator.first();
    int end=-1;
    List<String> sentences=new ArrayList<String>();
    while ((end=sentIterator.next()) != BreakIterator.DONE) {
        String sentence=testString.substring(start,end);
        start=end;
        sentences.add(sentence);
        System.out.println("Sentence: " + sentence);
    }
}
```

### Code Example 2:



8

From project Carroll, under directory /.

Source TextUtils.java

```
public static String[] extractWords(String sentence){
    Vector<String> words=new Vector<String>();
    BreakIterator boundary=BreakIterator.getWordInstance();
    boundary.setText(sentence);
    int start=boundary.first();
    for (int end=boundary.next(); end != BreakIterator.DONE; start=end, end=boundary.next()) {
```

```
String word=sentence.substring(start,end);
word=word.replaceAll("\\s+","");
if (!word.equals("")) {
    words.add(word);
}
}
return words.toArray(new String[0]);
}
```

## Java Profiling Tools

Very low overhead, large systems. Client, Server, J2EE or embedded



### Code Example 3:



7

From project alfresco, under directory /root/.modules/wcmquickstart/wcmquickstartwebsite/source/java/org/alfresco/wcm/client/directive/.

Source TruncateDirective.java

```
@SuppressWarnings("unchecked") @Override public void execute(Environment env,Map params,TemplateModel[] loopVars,TemplateDirectiveBody body) throws TemplateException, IOException {
    if (params.size() != 2)    return;
    SimpleScalar valueParam=(SimpleScalar)params.get("value");
    SimpleNumber charsParam=(SimpleNumber)params.get("chars");
    if (valueParam != null && charsParam != null) {
        String text=valueParam.getAsString();
        int chars=charsParam.getAsNumber().intValue();
        if (text.length() > chars) {
            BreakIterator bi=BreakIterator.getWordInstance();
            bi.setText(text);
            int firstBefore=bi.preceding(chars);
            text=text.substring(0,firstBefore) + "...";
        }
        env.getOut().write(text);
    }
}
```

### Code Example 4:



7

From project Alice, under directory /src/main/java/movieMaker/.

Source SimpleOutput.java

```
/**
 * Method to add new line character if the message is too long
 * @param message the input message
 * @return the message with new lines added if needed
 */
public static String addNewLines(String message){
    BreakIterator boundary=BreakIterator.getLineInstance();
    boundary.setText(message);
    int start=boundary.first();
    String result="";
    String currLine="";
    String temp=null;
    for (int end=boundary.next(); end != BreakIterator.DONE; start=end, end=boundary.next()) {
        temp=message.substring(start,end);
        if (temp.length() + currLine.length() > 100) {
            result=result + currLine + "\n";
            currLine=temp;
        }
    }
    else {
        currLine=currLine + temp;
    }
}
if (result.length() == 0) {
    result=message;
}
else {
    result=result + currLine;
}
return result;
}
```

### Code Example 5:



7

From project argparse4j, under directory /src/main/java/net/sourceforge/argparse4j/helper/.

Source TextHelper.java

```
public static String wrap(TextWidthCounter textWidthCounter,String s,int width,int initialOffset,String initialIndent,String subsequentIndent){
    BreakIterator iter=BreakIterator.getLineInstance();
    iter.setText(s);
    StringBuffer sb=new StringBuffer(initialIndent);
    int currentWidth=initialOffset + initialIndent.length();
    for (int start=iter.first(), end=iter.next(); end != BreakIterator.DONE; start=end, end=iter.next()) {
        String sub=s.substring(start,end);
        int subwidth=textWidthCounter.width(sub);
        currentWidth+=subwidth;
```

```

    if (currentWidth > width) {
        sb.append("\n").append(subsequentIndent);
        currentWidth=subsequentIndent.length() + subwidth;
    }
    sb.append(sub);
    if (sub.endsWith("\n")) {
        sb.append(subsequentIndent);
        currentWidth=subsequentIndent.length();
    }
}
return sb.toString();
}

```

**Code Example 6:**

7

From project biojava-legacy, under directory /core/src/main/java/org/biojava/bio/seq/io/.

Source AbstractGenEmblFileFormer.java

```

/**
 * <code>formatSequenceProperty</code> formats text into EMBL/Genbank style header lines.
 * @param sb a <code>StringBuffer</code>.
 * @param text a <code>String</code> to format.
 * @param leader a <code>String</code> to append to the start of each line.
 * @param wrapWidth an <code>int</code> indicating the number of columns per line.
 * @return a <code>StringBuffer</code>.
 */
StringBuffer formatSequenceProperty(StringBuffer sb,String text,String leader,int wrapWidth){
    BreakIterator boundary=BreakIterator.getLineInstance();
    boundary.setText(text);
    int start=boundary.first();
    int end=boundary.next();
    int lineLength=0;
    sb.append(leader);
    while (end != BreakIterator.DONE) {
        String word=text.substring(start,end);
        lineLength=lineLength + word.length();
        if (lineLength >= wrapWidth) {
            sb.append("\n");
            sb.append(leader);
            lineLength=word.length();
        }
        sb.append(word);
        start=end;
        end=boundary.next();
    }
    return sb;
}

```

**Code Example 7:**

7

From project Carroll, under directory /.

Source TextUtils.java

```

public static List<String> extractSentences(String rawText){
    List<String> sentences=new ArrayList<String>();
    BreakIterator bi=BreakIterator.getSentenceInstance(Locale.US);
    bi.setText(rawText);
    int lastIndex=bi.first();
    while (lastIndex != BreakIterator.DONE) {
        int firstIndex=lastIndex;
        lastIndex=bi.next();
        if (lastIndex != BreakIterator.DONE) {
            String sentence=rawText.substring(firstIndex,lastIndex);
            sentence=sentence.replaceAll("\n", " ");
            sentence=sentence.replaceAll("\s+", "");
            sentences.add(sentence);
        }
    }
    return sentences;
}

```

**Code Example 8:**

7

From project ceylon-common, under directory /src/com/redhat/ceylon/common/tool/.

Source WordWrap.java

```

/**
 * Appends the given string to the output.
 * @param s The string.
 */
public WordWrap append(String s){
    s=collapseWs(s);
    String prependNext=s.endsWith(" ") ? " " : "";
    s=prepend + trimRight(s);
    prepend=prependNext;
    BreakIterator bi=BreakIterator.getLineInstance();
}

```

```

bi.setText(s);
int endOfLast=0;
int ii;
for (ii=0; ii < s.length(); ii++) {
    if (exceedsWidth(endOfLast,ii)) {
        endOfLast=addLineBreak(s,bi,endOfLast,ii);
    }
}
if (exceedsWidth(endOfLast,ii)) {
    ii--;
    endOfLast=addLineBreak(s,bi,endOfLast,ii);
}
s=s.substring(endOfLast);
out.append(s);
return this;
}

```

**Code Example 9:**

7

From project chartsy, under directory /Chartsy/Chat/src/org/chartsy/chatsy/chat/util/.

Source StringUtils.java

```

public static String[] toLowerCaseWordArray(String text){
    if (text == null || text.length() == 0) return new String[0];
    ArrayList<String> wordList=new ArrayList<String>();
    BreakIterator boundary=BreakIterator.getWordInstance();
    boundary.setText(text);
    int start=0;
    for (int end=boundary.next(); end != BreakIterator.DONE; start=end, end=boundary.next()) {
        String tmp=text.substring(start,end).trim();
        tmp=replace(tmp,"+","");
        tmp=replace(tmp,"'","");
        tmp=replace(tmp,"\\","");
        tmp=replace(tmp,"#","");
        tmp=replace(tmp,"*","");
        tmp=replace(tmp," ","");
        tmp=replace(tmp,">","");
        tmp=replace(tmp,"(","");
        tmp=replace(tmp,"&","");
        if (tmp.length() > 0) wordList.add(tmp);
    }
    return wordList.toArray(new String[wordList.size()]);
}

```

**Code Example 10:**

7

From project chartsy, under directory /Chartsy/StockScanPRO/src/org/chartsy/stockscanpro/ui/.

Source ErrorPanel.java

```

private void wrappedLabel(JLabel label,String text){
    FontMetrics fm=label.getFontMetrics(label.getFont());
    Container container=label.getParent();
    int containerWidth=container.getWidth();
    BreakIterator boundary=BreakIterator.getWordInstance();
    boundary.setText(text);
    StringBuilder trial=new StringBuilder();
    StringBuilder real=new StringBuilder("<html>");
    int start=boundary.first();
    for (int end=boundary.next(); end != BreakIterator.DONE; start=end, end=boundary.next()) {
        String word=text.substring(start,end);
        trial.append(word);
        int trialWidth=SwingUtilities.computeStringWidth(fm,trial.toString());
        if (trialWidth > containerWidth) {
            trial=new StringBuilder(word);
            real.append("<br>");
        }
        real.append(word);
    }
    real.append("</html>");
    label.setText(real.toString());
}

```

**Code Example 11:**

7

From project chartsy, under directory /Chartsy/StockScanPRO/src/org/chartsy/stockscanpro/ui/.

Source ResultPanel.java

```

private void wrappedLabel(JLabel label,String text){
    FontMetrics fm=label.getFontMetrics(label.getFont());
    Container container=label.getParent();
    int containerWidth=container.getWidth();
    BreakIterator boundary=BreakIterator.getWordInstance();
    boundary.setText(text);
    StringBuilder trial=new StringBuilder();
    StringBuilder real=new StringBuilder("<html>");
    int start=boundary.first();
    for (int end=boundary.next(); end != BreakIterator.DONE; start=end, end=boundary.next()) {

```

```

String word=text.substring(start,end);
trial.append(word);
int trialWidth=SwingUtilities.computeStringWidth(fm,trial.toString());
if (trialWidth > containerWidth) {
    trial=new StringBuilder(word);
    real.append("<br>");
}
real.append(word);
}
real.append("</html>");
label.setText(real.toString());
}

```

**Code Example 12:**

5

From project android\_libcore, under directory /luni/src/test/java/libcore/java/text/.

Source OldBreakIteratorTest.java

```

public void testGetAvailableLocales(){
    Locale[] locales=BreakIterator.getAvailableLocales();
    assertTrue("Array available locales is null",locales != null);
    assertTrue("Array available locales is 0-length", (locales != null && locales.length != 0));
    boolean found=false;
    for ( Locale l : locales) {
        if (!l.equals(Locale.US)) {
            found=true;
        }
    }
    assertTrue("At least locale " + Locale.US + " must be presented",found);
}

```

**Code Example 13:**

5

From project cdt, under directory /build/org.eclipse.cdt.autotools.ui/src/org/eclipse/cdt/internal/autotools/ui/.

Source LineBreakingReader.java

```

private int findNextBreakOffset(int currOffset){
    int currWidth=0;
    int nextOffset=fLineBreakIterator.following(currOffset);
    while (nextOffset != BreakIterator.DONE) {
        String word=fLine.substring(currOffset,nextOffset);
        int wordWidth=fGC.textExtent(word).x;
        int nextWidth=wordWidth + currWidth;
        if (nextWidth > fMaxWidth) {
            if (currWidth > 0) {
                return currOffset;
            }
            return nextOffset;
        }
        currWidth=nextWidth;
        currOffset=nextOffset;
        nextOffset=fLineBreakIterator.next();
    }
    return nextOffset;
}

```

**Code Example 14:**

5

From project cdt, under directory /build/org.eclipse.cdt.autotools.ui/src/org/eclipse/cdt/internal/autotools/ui/.

Source LineBreakingReader.java

```

/**
 * Creates a reader that breaks an input text to fit in a given width.
 * @param reader Reader of the input text
 * @param gc The graphic context that defines the currently used font sizes
 * @param maxLineWidth The max width (pixes) where the text has to fit in
 */
public LineBreakingReader(Reader reader,GC gc,int maxLineWidth){
    fReader=new BufferedReader(reader);
    fGC=gc;
    fMaxWidth=maxLineWidth;
    fOffset=0;
    fLine=null;
    fLineBreakIterator=BreakIterator.getLineInstance();
}

```

**Code Example 15:**

5

From project cdt, under directory /build/org.eclipse.cdt.autotools.ui/src/org/eclipse/cdt/internal/autotools/ui/.

Source LineBreakingReader.java

```

/**
 * Reads the next line. The lengths of the line will not exceed the given maximum width.
 */
public String readLine() throws IOException {
    if (fLine == null) {
        String line=fReader.readLine();
        if (line == null) {
            return null;
        }
        int lineLen=fGC.textExtent(line).x;
        if (lineLen < fMaxWidth) {
            return line;
        }
        fLine=line;
        fLineBreakIterator.setText(line);
        fOffset=0;
    }
    int breakOffset=findNextBreakOffset(fOffset);
    String res;
    if (breakOffset != BreakIterator.DONE) {
        res=fLine.substring(fOffset,breakOffset);
        fOffset=findWordBegin(breakOffset);
        if (fOffset == fLine.length()) {
            fLine=null;
        }
    }
    else {
        res=fLine.substring(fOffset);
        fLine=null;
    }
    return res;
}

```

**Code Example 16:**

5

From project ceylon-common, under directory /src/com/redhat/ceylon/common/tool/.

Source WordWrap.java

```

private int addLineBreak(String s,BreakIterator bi,int endOfLast,int ii){
    int safe=ii;
    while (!bi.isBoundary(ii)) {
        ii--;
        if (ii < endOfLast) {
            ii=safe;
            break;
        }
    }
    out.append(trimRight(s.substring(endOfLast,ii)));
    out.newLineSoft();
    endOfLast=ii;
    return endOfLast;
}

```

**Code Example 17:**

5

From project ceylon-ide-eclipse, under directory /plugins/com.redhat.ceylon.eclipse.ui/src/com/redhat/ceylon/eclipse/code/editor/.

Source CeylonEditor.java

```

@Override public void run(){
    final ISourceViewer viewer=getSourceViewer();
    final IDocument document=viewer.getDocument();
    try {
        fIterator.setText((CharacterIterator)new DocumentCharacterIterator(document));
        int position=widgetOffset2ModelOffset(viewer,viewer.getTextWidget().getCaretOffset());
        if (position == -1) return;
        int next=findNextPosition(position);
        if (next != BreakIterator.DONE) {
            setCaretPosition(next);
            getTextWidget().showSelection();
            fireSelectionChanged();
        }
    }
    catch ( BadLocationException x) {
    }
}

```

**Code Example 18:**

5

From project ceylon-ide-eclipse, under directory /plugins/com.redhat.ceylon.eclipse.ui/src/com/redhat/ceylon/eclipse/code/editor/.

Source CeylonEditor.java

```

/**
 * Finds the next position after the given position.
 * @param position the current position
 * @return the next position
 */

```

```

protected int findNextPosition(int position){
    ISourceViewer viewer=getSourceViewer();
    int widget=-1;
    int next=position;
    while (next != BreakIterator.DONE && widget == -1) {
        next=fIterator.following(next);
        if (next != BreakIterator.DONE)    widget=modelOffset2WidgetOffset(viewer,next);
    }
    IDocument document=viewer.getDocument();
    LinkedModeModel model=LinkedModeModel.getModel(document,position);
    if (model != null) {
        LinkedPosition linkedPosition=model.findPosition(new LinkedPosition(document,position,0));
        if (linkedPosition != null) {
            int linkedPositionEnd=linkedPosition.getOffset() + linkedPosition.getLength();
            if (position != linkedPositionEnd && linkedPositionEnd < next)    next=linkedPositionEnd;
        }
    }
    else {
        LinkedPosition nextLinkedPosition=model.findPosition(new LinkedPosition(document,next,0));
        if (nextLinkedPosition != null) {
            int nextLinkedPositionOffset=nextLinkedPosition.getOffset();
            if (position != nextLinkedPositionOffset && nextLinkedPositionOffset < next)    next=nextLinkedPositionOffset;
        }
    }
}
return next;
}

```

**Code Example 19:**

5

From project ceylon-ide-eclipse, under directory /plugins/com.redhat.ceylon.eclipse.ui/src/com/redhat/ceylon/eclipse/code/editor/.

Source CeylonEditor.java

```

@Override public void run(){
    final ISourceViewer viewer=getSourceViewer();
    final IDocument document=viewer.getDocument();
    try {
        fIterator.setText(((CharacterIterator)new DocumentCharacterIterator(document));
        int position=widgetOffset2ModelOffset(viewer,viewer.getTextWidget().getCaretOffset());
        if (position == -1)    return;
        int previous=findPreviousPosition(position);
        if (previous != BreakIterator.DONE) {
            setCaretPosition(previous);
            getTextWidget().showSelection();
            fireSelectionChanged();
        }
    }
    catch ( BadLocationException x) {
    }
}

```

**Code Example 20:**

5

From project ceylon-ide-eclipse, under directory /plugins/com.redhat.ceylon.eclipse.ui/src/com/redhat/ceylon/eclipse/code/editor/.

Source CeylonEditor.java

```

/**
 * Finds the previous position before the given position.
 * @param position the current position
 * @return the previous position
 */
protected int findPreviousPosition(int position){
    ISourceViewer viewer=getSourceViewer();
    int widget=-1;
    int previous=position;
    while (previous != BreakIterator.DONE && widget == -1) {
        previous=fIterator.preceding(previous);
        if (previous != BreakIterator.DONE)    widget=modelOffset2WidgetOffset(viewer,previous);
    }
    IDocument document=viewer.getDocument();
    LinkedModeModel model=LinkedModeModel.getModel(document,position);
    if (model != null) {
        LinkedPosition linkedPosition=model.findPosition(new LinkedPosition(document,position,0));
        if (linkedPosition != null) {
            int linkedPositionOffset=linkedPosition.getOffset();
            if (position != linkedPositionOffset && previous < linkedPositionOffset)    previous=linkedPositionOffset;
        }
    }
    else {
        LinkedPosition previousLinkedPosition=model.findPosition(new LinkedPosition(document,previous,0));
        if (previousLinkedPosition != null) {
            int previousLinkedPositionEnd=previousLinkedPosition.getOffset() + previousLinkedPosition.getLength();
            if (position != previousLinkedPositionEnd && previous < previousLinkedPositionEnd)    previous=previousLinkedPositionEnd;
        }
    }
}
return previous;
}

```