

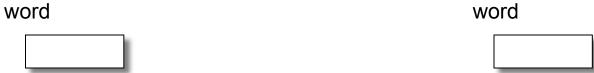


- In many string processing applications, it is necessary to change the contents of a string.
 - i.e. it needs to be mutable
- The StringBuilder class is used for manipulating the contents of a string
 - replacing a character,
 - appending a string with another string,
 - deleting a portion of a string

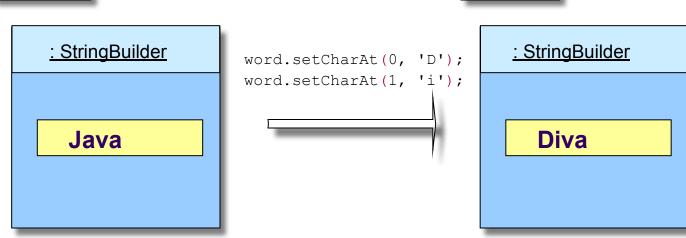
StringBuilder Example

```
MS
```

```
StringBuilder word = new StringBuilder("Java");
word.setCharAt(0, 'D');
word.setCharAt(1, 'i');
```



Changing a string Java to Diva



Before After

Sample Processing



Replace all vowels in the sentence with 'X'.

```
char
             letter;
String inSentence = JOptionPane.showInputDialog (null,
"Sentence:");
StringBuilder tempStringBuffer = new StringBuilder (inSentence);
             numberOfCharacters = tempStringBuffer.length ();
int.
for (int index = 0; index < numberOfCharacters; index++ ) {</pre>
    letter = tempStringBuffer.charAt (index);
    if (letter == 'a' || letter == 'A' || letter == 'e' || letter == 'E'
| \cdot |
        letter == 'i' || letter == 'I' || letter == '0' || letter == '0'
        letter == 'u' || letter == 'U' ) {
        tempStringBuffer.setCharAt (index, 'X');
```





- append is used to append a String or StringBuilder object to the end of a StringBuilder object.
 - The method can also take an argument of the primitive data type.
 - Any primitive data type argument is converted to a string before it is appended to a StringBuilder object.
- A string can be inserted at a specified position by using the insert method.