# String Buffer

# - Implement all string methods in StringBuffer class and list out the methods which adapts for stringbuffer concept

### String and String Buffer class in Java works on array of characters. but they differ in Mutability. String is Immutable but a StringBuffer is Mutable.

### There are some methods which are possible in String but not in StringBuffer, They are implemented below on StringBuffer class which ofcourse will result in

### an Compilation Error

## Code

class Main {  
 public static void main(String args[]) {  
 StringBuffer sb = new StringBuffer("Hello There");  
 // Methods in StringBuffer class  
 // Append method  
  
 System.out.println("String: " + sb);  
   
 System.out.println("" + sb.toLowerCase());  
 System.out.println("" + sb.toUpperCase());  
 System.out.println("" + sb.trim());  
 System.out.println("" + sb.toUpperCase());  
 System.out.println("" + sb.equals());  
 }  
}

## Output

StringBufferEg.java:9: error: cannot find symbol  
 System.out.println("" + sb.toLowerCase());  
 ^  
 symbol: method toLowerCase()  
 location: variable sb of type StringBuffer  
StringBufferEg.java:10: error: cannot find symbol  
 System.out.println("" + sb.toUpperCase());  
 ^  
 symbol: method toUpperCase()  
 location: variable sb of type StringBuffer  
StringBufferEg.java:11: error: cannot find symbol  
 System.out.println("" + sb.trim());  
 ^  
 symbol: method trim()  
 location: variable sb of type StringBuffer  
StringBufferEg.java:12: error: cannot find symbol  
 System.out.println("" + sb.toUpperCase());  
 ^  
 symbol: method toUpperCase()  
 location: variable sb of type StringBuffer  
StringBufferEg.java:13: error: method equals in class Object cannot be applied to given types;  
 System.out.println("" + sb.equals());  
 ^  
 required: Object  
 found: no arguments  
 reason: actual and formal argument lists differ in length  
5 errors