

(1) Mutable string  $\Rightarrow$

Mutable string are changeable means we can change the object value and existing object will be changed in the memory. Another object will not be created the same object will be changed. Two types of mutable string we use mutable string if data is constantly changing.

- (1) String Buffer
- (2) String Builder.

The methods of String Buffer class are synchronized. Due to synchronized method the performance of String Buffer is down. Synchronized means at a time only one thread can operate. Multithreading is not allowed. These are thread safe.

The methods of String Builder class are non synchronized. Due to non synchronized method the performance of String builder is high. The concept of String builder is introduced in Java 1.5 version. Non synchronized means at a time multiple thread can operate. Multithreading is allowed.

```
Ex) String Builder Sb = new String Builder("Vansh");  
    Sb.append("Goyal");  
    System.out.println(Sb);
```

output  $\Rightarrow$  VanshGoyal

The objects of mutable strings ~~and~~ is created in Heap memory bcoz we use new keyword. We do not use the reference variable ~~while~~ while performing operation on the object bcoz the same object is changed.