Java – StringBuffer

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StringBuffer Class

StringBuffer is a peer class of **String** that provides much of the functionality of strings.

As you know, **String** represents fixed-length, immutable character sequences. In contrast,

StringBuffer represents growable and writeable character sequences.

StringBuffer may have characters and substrings inserted in the middle or appended to the end. **StringBuffer** will automatically grow to make room for such additions

StringBuffer Constructors

StringBuffer( )
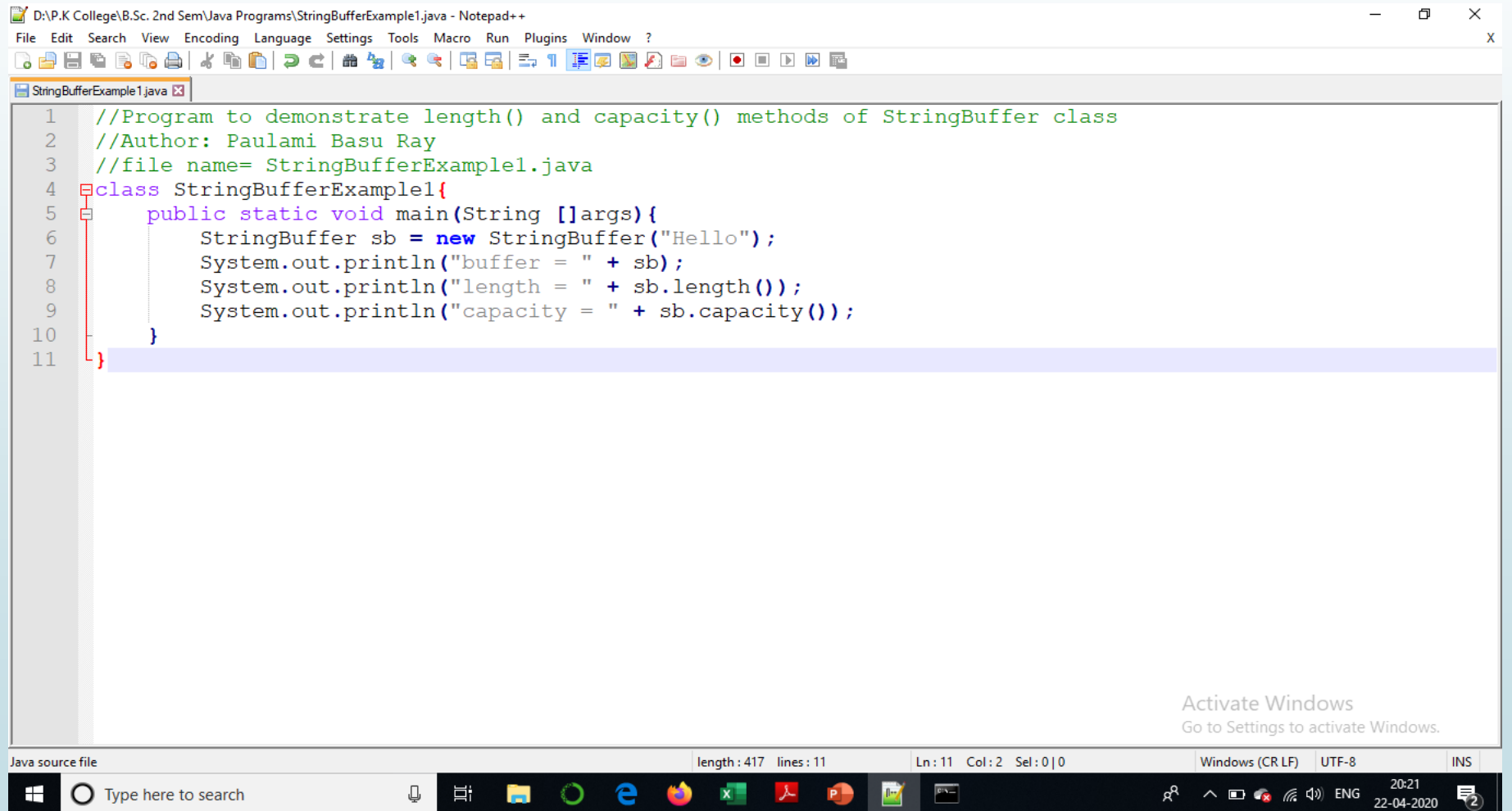
StringBuffer(int *size*)

StringBuffer(String *str*)

StringBuffer(CharSequence *chars*)

length() and capacity()

- The current length of a **StringBuffer** can be found via the **length( )** method, while the total

- allocated capacity can be found through the **capacity( )** method. They have the following

- General forms:

- int length( )

- int capacity( )

Sample Program

Another Sample

```
setCharAtDemo.java
1  //Program to demonstrate setCharAt() and setLength() methods of StringBuffer class
2  //Author: Paulami Basu Ray
3  //file name= setCharAtDemo.java
4
5  class setCharAtDemo {
6      public static void main(String args[]) {
7          StringBuffer sb = new StringBuffer("Hello");
8          System.out.println("buffer before = " + sb);
9          System.out.println("charAt(1) before = " + sb.charAt(1));
10         sb.setCharAt(1, 'i');
11         sb.setLength(2);
12         System.out.println("buffer after = " + sb);
13         System.out.println("charAt(1) after = " + sb.charAt(1));
14     }
15 }
```