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1.
```
class StringBufferExample{
public static void main(String[] args){
StringBuffer sb=new StringBuffer("Hello");
sb.append("Java");
System.out.println(sb);
}
}
```

```
PS C:\Users\nivit> cd Desktop
PS C:\Users\nivit\Desktop> javac StringBufferExample.java
PS C:\Users\nivit\Desktop> java StringBufferExample
HelloJava
```

2.
```
class StringBufferExample2{
public static void main(String[] args){
StringBuffer sb=new StringBuffer("Hello");
sb.insert(1,"Java");
System.out.println(sb);
}
}
```

```
PS C:\Users\nivit> cd desktop
PS C:\Users\nivit\desktop> javac StringBufferExample.java
PS C:\Users\nivit\desktop> java StringBufferExample
HJavaello
```

3.
```
class StringBufferExample{
public static void main(String[] args){
StringBuffer sb=new StringBuffer("Hello");
sb.replace(1,3,"Java");
System.out.println(sb);
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBufferExample.java
PS C:\Users\nivit\desktop> java StringBufferExample
HJavalo
```

4.
```
class StringBufferExample4{
```

```
public static void main(String[] args){
StringBuffer sb=new StringBuffer("Hello");
sb.delete(1,3);
System.out.println(sb);
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBufferExample.java
PS C:\Users\nivit\desktop> java StringBufferExample
Hlo
```

5.
```
class StringBufferExample4{
public static void main(String[] args){
StringBuffer sb=new StringBuffer("Hello");
sb.reverse();
System.out.println(sb);
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBufferExample.java
PS C:\Users\nivit\desktop> java StringBufferExample
olleH
```

6.
```
class StringBufferExample{
public static void main(String[] args){
StringBuffer sb=new StringBuffer();
System.out.println(sb.capacity());
sb.append("Hello");
System.out.println(sb.capacity());
sb.append("Java is my favourite language");
System.out.println(sb.capacity());
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBufferExample.java
PS C:\Users\nivit\desktop> java StringBufferExample
16
16
34
```

7.
```
class StringBufferExample{
public static void main(String[] args){
StringBuffer sb=new StringBuffer();
System.out.println(sb.capacity());
sb.append("Hello");
System.out.println(sb.capacity());
sb.append("Java is my favourite language");
System.out.println(sb.capacity());
```

```
sb.ensureCapacity(10);
System.out.println(sb.capacity());
sb.ensureCapacity(50);
System.out.println(sb.capacity());
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBufferExample.java
PS C:\Users\nivit\desktop> java StringBufferExample
16
16
34
34
70
```

8.
```
class StringBuilderExample{
public static void main(String[] args){
StringBuilder sb=new StringBuilder("Hello");
sb.append("Java");
System.out.println(sb);
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
HelloJava
```

9.
```
class StringBuilderExample{
public static void main(String[] args){
StringBuilder sb=new StringBuilder("Hello");
sb.insert(1,"Java");
System.out.println(sb);
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
HJavaello
```

10.
```
class StringBuilderExample{
public static void main(String[] args){
StringBuilder sb=new StringBuilder("Hello");
sb.replace(1,3,"Java");
System.out.println(sb);
}
}
```

PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
HJavalo

11.
```java
class StringBuilderExample{
public static void main(String[] args){
StringBuilder sb=new StringBuilder("Hello");
sb.delete(1,3);
System.out.println(sb);
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
Hlo
```

12.
```java
class StringBuilderExample{
public static void main(String[] args){
StringBuilder sb=new StringBuilder("Hello");
sb.reverse();
System.out.println(sb);
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
olleH
```

13.
```java
class StringBuilderExample{
public static void main(String[] args){
StringBuilder sb=new StringBuilder();
System.out.println(sb.capacity());
sb.append("Hello");
System.out.println(sb.capacity());
sb.append("Java is my favourite language");
System.out.println(sb.capacity());
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
16
16
34
```

14.
```java
class StringBuilderExample{
```

```java
public static void main(String[] args){
StringBuilder sb=new StringBuilder();
System.out.println(sb.capacity());
sb.append("Hello");
System.out.println(sb.capacity());
sb.append("Java is my favourite language");
System.out.println(sb.capacity());
sb.ensureCapacity(10);
System.out.println(sb.capacity());
sb.ensureCapacity(50);
System.out.println(sb.capacity());
}
}
```

```
PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
16
16
34
34
70
```

15.
```java
import java.util.StringTokenizer;
class Simple{
   public static void main(String[] args){
      StringTokenizer st=new StringTokenizer("my name is khan"," ");
      while(st.hasMoreTokens()){
         System.out.println(st.nextToken());
      }
   }
}
```

```
PS C:\Users\nivit> cd Desktop
PS C:\Users\nivit\Desktop> javac Simple.java
PS C:\Users\nivit\Desktop> java Simple
my
name
is
khan
```

16.
```java
import java.util.StringTokenizer;
class Simple{
   public static void main(String[] args){
      StringTokenizer st=new StringTokenizer("my,name,is,khan");
         System.out.println("Next token is:"+st.nextToken(","));
   }
}
```

```
PS C:\Users\nivit\Desktop> javac Simple.java
PS C:\Users\nivit\Desktop> java Simple
Next token is:my
```

17.
```
import java.util.StringTokenizer;
class Simple{
public static void main(String[] args){
StringTokenizer st=new StringTokenizer("There are many java developers out there in the world","
");
while(st.hasMoreTokens()){
System.out.println(st.nextToken());
}
}
}
```

```
PS C:\Users\nivit\Desktop> javac Simple.java
PS C:\Users\nivit\Desktop> java Simple
There
are
many
java
developers
out
there
in
the
world
```

18.
```
import java.util.StringTokenizer;
class Simple{
   public static void main(String args[]){
      StringTokenizer st=new StringTokenizer("There are many java developers out there in the
world"," ");
      while(st.hasMoreElements()){
         System.out.println(st.nextToken());
      }
   }
}
```

```
PS C:\Users\nivit> cd Desktop
PS C:\Users\nivit\Desktop> javac Simple.java
PS C:\Users\nivit\Desktop> java Simple
There
are
many
java
developers
out
there
in
the
world
```

19.
```java
import java.util.StringTokenizer;
class StringTokenizer3{
   public static void main(String args[]){
      StringTokenizer st=new StringTokenizer("There are many java developers out there in the
world"," ");
      while(st.hasMoreTokens()){
         System.out.println(st.nextElement());
      }
   }
}
```

```
PS C:\Users\nivit\Desktop> javac Simple.java
PS C:\Users\nivit\Desktop> java Simple
There
are
many
java
developers
out
there
in
the
world
```

20.
```java
import java.util.StringTokenizer;
class Simple{
   public static void main(String args[]){
      StringTokenizer st=new StringTokenizer("There are many java developers out there in the
world"," ");

         System.out.println("Total number of Tokens are:"+st.countTokens());
      }
   }
```

```
}
```

21.
```java
class Simple{
   public static void main(String args[]){
    int []arr;
arr=new int[5];
   arr[0]=7;
   arr[1]=11;
   arr[2]=8;
   arr[3]=9;
   arr[4]=50;
   for(int i=0;i<5;i++)
   System.out.println("Element at index"+i+":"+arr[i]);


   }
}
```

22.
```java
import java.util.StringTokenizer;
public class HasMoreElementsSt{
        public static void main(String[] args){
                StringTokenizer st = new StringTokenizer("Hello everyone I am a java developer", "
");
                while (st.hasMoreElements()){
                        System.out.println(st.nextToken());
                }
        }
}
```
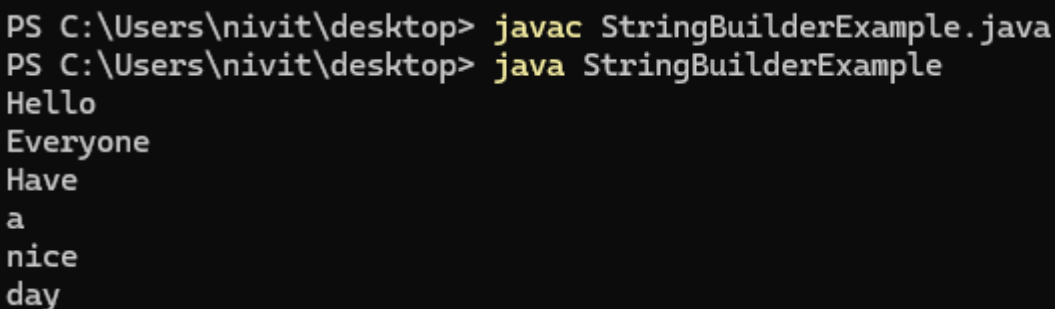
23.
```java
import java.util.StringTokenizer;
public class HasMoreTokensSt{
        public static void main(String[] args){
                StringTokenizer st = new StringTokenizer("Demonstrating methods from String
Tokenizer class. This is a longer sentence to test.", " ");
                while (st.hasMoreTokens()){
                        System.out.println(st.nextToken());
                }
        }
}
```

```
PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
Demonstrating
methods
from
String
Tokenizer
class.
This
is
a
longer
sentence
to
test.
```

24.
```java
import java.util.StringTokenizer;
public class NextElementSt{
        public static void main(String[] args){
                StringTokenizer st = new StringTokenizer("Hello Everyone Have a nice day", " ");
                while (st.hasMoreTokens()){
                        System.out.println(st.nextElement());
                }
        }
}
```

```
PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
Hello
Everyone
Have
a
nice
day
```

25.
```java
import java.util.StringTokenizer;
public class NextTokenSt{
```

```java
    public static void main(String[] args){
            StringTokenizer st = new StringTokenizer("my,name,is,khan");
            System.out.println("Next token is: " + st.nextToken(","));
    }
}
```

26.
```java
import java.util.StringTokenizer;
public class StringTokenizer1{
        public static void main(String[] args){
                StringTokenizer st = new StringTokenizer("my name is khan", " ");
                while (st.hasMoreTokens()){
                        System.out.println(st.nextToken());
                }
        }
}
```

27.
```java
class Student{
        public int roll_no;
        public String name;
        Student(int roll_no, String name){
                this.roll_no = roll_no;
                this.name = name;
        }
}
public class Array2{
        public static void main(String[] args){
                Student[] arr;
                arr = new Student[5];
                arr[0] = new Student(1, "aman");
                arr[1] = new Student(2, "vaibhav");
                arr[2] = new Student(3, "shikar");
                arr[3] = new Student(4, "dharmesh");
                arr[4] = new Student(5, "mohit");
                for (int i = 0; i<arr.length; i++)
                        System.out.println("Element at " + i + ": " + arr[i].roll_no + " " +
arr[i].name);
```

```
        }
}
```

```
PS C:\Users\nivit\desktop> javac StringBuilderExample.java
PS C:\Users\nivit\desktop> java StringBuilderExample
Element at 0: 1 aman
Element at 1: 2 vaibhav
Element at 2: 3 shikar
Element at 3: 4 dharmesh
Element at 4: 5 mohit
```