

String Class

1

```
package stringlen;

public class stringlen {

    public static void main(String[] args) {
        int n;
        String str= new String("Hello World");
        n= str.length();
        System.out.println("The length of the string " +str+ " is " +n);
    }

}
```

```
terminated: stringlen.java Application C:\Program Files\Java\
The length of the string Hello World is 11
```

2

```
package stringjoin;

public class stringjoin {

    public static void main(String[] args) {
        String str1= new String("Hello,");
        String str2= new String("How are you?");
        String str3= str1.concat(str2);
        System.out.println("The first string is " +str1);
        System.out.println("The second string is " +str2);
        System.out.println("The joined string is " +str3);
    }

}
```

```
The first string is Hello,
The second string is How are you?
The joined string is Hello,How are you?
```

3

```
package stringopr;

public class stringopr {

    public static void main(String[] args) {
        String str= new String("Java String pool refers to collection of
Strings which are stored in heap memory");
        System.out.println("The original string is " +str);
        String str1= str.toLowerCase();
    }

}
```

```

        System.out.println("The string in lower case is " +str1);
        String str2= str.toUpperCase();
        System.out.println("The string in upper case is " +str2);
        String str3= str.replace("a", "$");
        System.out.println("The string after replacing a by $ is " +str3);
        boolean bool1= str.contains("collection");
        System.out.println(bool1);
        boolean bool2= str.matches("java string pool refers to collection of
strings which are stored in heap memory");
        System.out.println(bool2);
        boolean bool3= str.equalsIgnoreCase("java string pool refers to
collection of strings which are stored in heap memory");
        System.out.println(bool3);
    }
}

```

```

The original string is Java String pool refers to collection of Strings which are stored in heap memory
The string in lower case is java string pool refers to collection of strings which are stored in heap memory
The string in upper case is JAVA STRING POOL REFERS TO COLLECTION OF STRINGS WHICH ARE STORED IN HEAP MEMORY
The string after replacing a by $ is J$v$ String pool refers to collection of Strings which $re stored in he$p memory
true
false
true

```

StringBuffer Class

1

```

package sbappend;

public class sbappend {

    public static void main(String[] args) {
        StringBuffer str= new StringBuffer("");
        System.out.println(str);
        str.append("StringBuffer");
        System.out.println(str);
        str.append("is a peer class of String");
        System.out.println(str);
        str.append("that provides much of");
        System.out.println(str);
        str.append("the functionality of strings");
        System.out.println(str);
    }
}

```

<terminated> sbappend [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (07-Aug-2021, 2:36:28 am – 2:36:28 am)

```

StringBuffer
StringBufferis a peer class of String
StringBufferis a peer class of Stringthat provides much of
StringBufferis a peer class of Stringthat provides much ofthe functionality of strings

```

2

```
package sbinsert;

public class sbinsert {

    public static void main(String[] args) {
        StringBuffer str= new StringBuffer("It is used to at the specified
index position");
        System.out.println(str);
        str.insert(13, " insert text");
        System.out.println("The new string after inserting is: " +str);
    }
}
```

```
It is used to at the specified index position
The new string after inserting is: It is used to insert text at the specified index position
```

3

```
package sbreverse;

public class sbreverse {

    public static void main(String[] args) {
        StringBuffer str= new StringBuffer("This method returns the reversed
object on which it was called");
        System.out.println(str);
        str.reverse();
        System.out.println("The new string after reversing is: " +str);
    }
}
```

```
<terminated> sbreverse [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (07-Aug-2021, 2:39:43 am – 2:39:44 am)
This method returns the reversed object on which it was called
The new string after reversing is: dellac saw ti hcihw no tcejbo desrever eht snruter dohtem sihT
```

StringBuilder Class

1

```
package sbdappend;

public class sbdappend {

    public static void main(String[] args) {
        StringBuilder str= new StringBuilder("");
        System.out.println(str);
        str.append("StringBuffer");
        System.out.println(str);
        str.append("is a peer class of String");
        System.out.println(str);
        str.append("that provides much of");
        System.out.println(str);
    }
}
```

```

        str.append("the functionality of strings");
        System.out.println(str);
    }
}

```

<terminated> sbdappend [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (07-Aug-2021, 2:42:10 am - 2:42:10 am)

```

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

```

2

```

package sbdinsert;

public class sbdinsert {

    public static void main(String[] args) {
        StringBuilder str= new StringBuilder("It is used to at the specified
index position");
        System.out.println(str);
        str.insert(13, " insert text");
        System.out.println("The new string after inserting is: " +str);
    }
}

```

```

It is used to at the specified index position
The new string after inserting is: It is used to insert text at the specified index position

```

3

```

package sbdreverse;

public class sbdreverse {

    public static void main(String[] args) {
        StringBuilder str= new StringBuilder("This method returns the
reversed object on which it was called");
        System.out.println(str);
        str.reverse();
        System.out.println("The new string after reversing is: " +str);
    }
}

```

<terminated> sbdreverse [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (07-Aug-2021, 2:44:16 am - 2:44:16 am)

```

This method returns the reversed object on which it was called
The new string after reversing is: dellac saw ti hcihw no tcejbo desrever eht snruter dohtem sihT

```