

1.

```
public class StringExample {  
  
    public static void main(String[] args) {  
        //declare the String as an object S1  
        String S1 = "Hello World";  
  
        //length() method of String returns the length of a String S1.  
        int length = S1.length();  
        System.out.println("Length of a String is: " + length);  
    }  
}
```

Length of a String is: 11

2.

```
public class StringExample{  
    public static void main(String args[]){  
        String s="Hello"+" How are you";  
        System.out.println(s);  
    }  
}
```

Hello How are you

3.

Tolower()

```
public class StringExample{  
    public static void main(String args[]){  
        String s1="Java String Pool Refers To Collection of Strings Which are  
Stored in Heap Memory";  
        String b=s1.toLowerCase();  
        System.out.println(b);  
    }  
}
```

Output:

java string pool refers to collection of strings which are stored in heap memory

4.

```
public class StringExample{  
    public static void main(String args[]){
```

```

        String s1="Java String Pool Refers To Collection of Strings Which are
Stored in Heap Memory";
        String b =s1.toUpperCase();
        System.out.println(b);

    }
}

```

JAVA STRING POOL REFERS TO COLLECTION OF STRINGS WHICH ARE STORED IN HEAP MEMORY

5.

```

public class StringExample{
    public static void main(String args[]){
        String s1="Java String Pool Refers To Collection of Strings Which are
Stored in Heap Memory";
        String b=s1.replace("a","$");
        System.out.println(b);

    }
}

```

J\$V\$ String Pool Refers To Collection of Strings Which \$re Stored in He\$p Memory

6.

```

1 public class StringExample{
2     public static void main(String args[]){
3         String s1="Java String Pool Refers To Collection of Strings Which are Stored in Heap Memory";
4         boolean s2 = s1.contains("Collection");
5         if(s2 == true)
6
7             System.out.println("The given Collection word exist in string");
8         else
9         {
10            System.out.println("the Collection word does not esixt");
11        }
12    }
13 }
14 }
15

```

Console

<terminated> StringExample [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 1:49:41 pm – 1:49:44 pm)

The given Collection word exist in string

```
1 public class StringExample{
2     public static void main(String[] args) {
3         String original = "Java string pool refers to collection of strings which are stored in heap memory";
4         String str2 = "java string pool refers to collection of strings which are stored in heap memory";
5
6         if (original == str2) {
7             System.out.println("Both the strings matches.");
8         } else {
9             System.out.println("The strings do not match.");
10        }
11    }
12 }
13
14
15
16
17
18
```

Console

<terminated> StringExample [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 2:05:40 pm – 2:05:44 pm)

The strings do not match.

```
Shapes.java StringExample.java
1 public class StringExample {
2     public static void main(String[] args) {
3         String original = "Java string pool refers to collection of strings which are stored in heap memory";
4         String str2 = "java string pool refers to collection of strings which are stored in heap memory";
5         original.equalsIgnoreCase(str2);
6         System.out.println("The strings match");
7     }
8 }
9 }
10
11
12
13
14
```

```
Console
<terminated> StringExample [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 2:10:46 pm - 2:10:50 pm)
The strings match
```

String Buffer

```
1
2  import java.io.*;
3  public class StringExample{
4      public static void main(String[] args)
5      {
6          StringBuffer s = new StringBuffer("StringBuffer");
7          s.append("is a peer class of string ");
8          s.append("that provides much of");
9          s.append("the functionality of the strings");
10         System.out.println(s); |
11         s.append(1);
12
13     }
14 }
15
16
```

Console ✕

<terminated> StringExample [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 2:57:17 pm – 2:57:20 pm)
StringBufferis a peer class of string that provides much ofthe functionality of the strings

```
1
2  import java.io.*;
3
4  public class StringExample{
5      public static void main(String[] args) {
6          {
7              StringBuffer s = new StringBuffer("This method returns the reversed object on which it was called")
8              s.reverse();
9              System.out.println(s); //
10          }
11      }
12  }
13
14
15
16
17
18
```

Console

<terminated> StringExample [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 3:21:44 pm – 3:21:48 pm)
dellac saw ti hcihw no tcejbo desrever eht snruter dohtem sihT

```
1
2  import java.io.*;
3  public class StringExample{
4      public static void main(String[] args)
5      {
6          StringBuffer s = new StringBuffer("It is used to at the specified index position");
7          s.insert(14, "insert text ");
8          System.out.println(s);
9
10     }
11 }
12
13
14
15
16
```

Console

<terminated> StringExample [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 3:10:57 pm – 3:11:01 pm)
It is used to insert text at the specified index position

String Builder

```
1
2  import java.io.*;
3
4  public class StringExample{
5      public static void main(String[] args) {
6          {
7              StringBuilder s = new StringBuilder("It is used to at the specified index position");
8
9              s.insert(14, "insert text ");
10             System.out.println(s); //
11         }
12     }
13 }
14
15
16
17
18
19
```

Console

<terminated> StringExample [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 3:55:19 pm – 3:55:22 pm)

It is used to insert text at the specified index position


```
1
2  import java.io.*;
3
4  public class StringExample{
5      public static void main(String[] args) {
6          {
7              StringBuilder s = new StringBuilder("This method returns the reversed object on which it was called");
8              s.reverse();
9              System.out.println(s); //
10          }
11      }
12  }
13
14
15
16
17
18
```

Console

<terminated> StringExample [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 3:34:29 pm – 3:34:43 pm)

dellac saw ti hcihw no tcejbo desrever eht snruter dohtem siht

```
1
2  import java.io.*;
3
4  public class StringExample{
5      public static void main(String[] args) {
6          {
7              StringBuilder s = new StringBuilder("StringBuffer");
8
9              s.append("is a peer class of string ");
10             s.append("that provides much of ");
11             s.append("the functionality that of the string");
12
13             System.out.println(s);
14             s.append(1);
15         }
16     }
17 }
18
19
20
21
22
23
```

Console

<terminated> StringExample [Java Application] C:\Program Files\Java\jdk-16.0.2\bin\javaw.exe (06-Aug-2021, 4:00:42 pm – 4:00:46 pm)
StringBufferis a peer class of string that provides much of the functionality that of the string