STRING ASSIGNMENT

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1)String class

1)length

```java
length.java
1  package length;
2
3  public class length {
4
5      public static void main(String[] args) {
6
7          String s1="Hello World";
8          System.out.println("string length is:"+s1.length());
9
0      }
1
2  }
3  |
```

```
Problems  @ Javadoc   Declaration
<terminated> length [Java Application] C
string length is:11
```

2)Joining two strings

```java
join.java
1  package length;
2  class join{
3      public static void main(String args[]) {
4          String s1="Hello ,";
5          String s2="How are you";
6          String s3=s1.concat(s2);
7          System.out.println(s3);
8      }
9  }
```

Hello ,How are you

3a) Lowerclass

🔖 lowerclass.java ✖

```java
1 package length;
2 class lowerclass{
3⊖    public static void main(String args[]) {
4        String s1="Java string pool refers to the collection of strings which are"
5                + "stored in heap memory";
6
7                String s1lower=s1.toLowerCase();
8                System.out.println(s1lower);
9
10    }
11 }
```

java string pool refers to the collection of strings which arestored in heap memory

3b) Uppercase

lowerclass.java ✖

```java
1 package length;
2 class lowerclass{
3⊖    public static void main(String args[]) {
4        String s1="Java string pool refers to the collection of strings which are"
5                + "stored in heap memory";
6
7                String s1upper=s1.toUpperCase();
8                System.out.println(s1upper);
9
10    }
11 }
```

JAVA STRING POOL REFERS TO THE COLLECTION OF STRINGS WHICH ARESTORED IN HEAP MEMORY

3c) Replace

```
replace.java ⊠

 1 package length;
 2 class replace{
 3⊖    public static void main(String args[]) {
 4        String s1="Java string pool refers to the collection of strings which are "
 5                + "stored in heap memory";
 6
 7            String replaced=s1.replace("a","$");
 8            System.out.println("Original String before replace:" + s1);
 9            System.out.println("Replaced String:" +replaced);
10 }
11 }
12
```

```
Problems  @ Javadoc  Declaration  Console ⊠  Error Log
<terminated> replace [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe  (05-Aug-2021, 9:24:28 pm – 9:24:33 pm)
Original String before replace:Java string pool refers to the collection of strings which are stored in heap memory
Replaced String:J$v$ string pool refers to the collection of strings which $re stored in he$p memory
```

3d)Checking

```
public class check {

    public static void main(String[] args) {
        String s1 = "Java string pool refers to the collection of strings which are stored in heap memory";
        String s2 = "collection";
        if(s1.indexOf(s2) != -1) {
            System.out.println("Found the word " +s2);
        }
        else {
            System.out.println("Can't find " +s2);
        }

    }

}
```

```
Problems  @ Javadoc  Declaration  Console ⊠
<terminated> check [Java Application] C:\Program Files\Java
Found the word collection
```

3e)Matching

```java
2
3  public class check {
4
5      public static void main(String[] args) {
6          String s1 = "Java String pool refers to the collection of Strings which are stored in heap memory";
7          String s2 = "java string pool refers to the collection of strings which are stored in heap memory";
8          if(s1 == s2) {
9              System.out.println("Both the strings are equal");
10         }
11         else {
12             System.out.println("Not equal");
13         }
14
15     }
16
17 }
18
```

Problems @ Javadoc Declaration Console
<terminated> check [Java Application] C:\Program File
Not equal

3f)

```java
2
3  public class check {
4
5      public static void main(String[] args) {
6          String s1 = "Java String pool refers to the collection of Strings which are stored in heap memory";
7          String s2 = "java string pool refers to the collection of strings which are stored in heap memory";
8
9          boolean p1 = s2.equalsIgnoreCase(s1);
10         System.out.println("s2 is equal to s1 =" +p1);
11
12     }
13
14 }
15
```

Problems @ Javadoc Declaration Console ⊠ Error Log
<terminated> check [Java Application] C:\Program Files\Java\jdk-13.0.2\
s2 is equal to s1 =true

4)Stringbuffer class

```java
public class buffer {

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

            //for second - insert case
            StringBuffer buffer1=new StringBuffer("It is used to at the specified index position");
            buffer1.insert(14, "insert text ");
            System.out.println(buffer1);

            //for third- reverse case
            StringBuffer buffer2=new StringBuffer("The method returns the reversed object on which it was
            buffer2.reverse();
            System.out.println(buffer2);

        }

    }
```

Problems @ Javadoc Declaration Console ⊠ Error Log

\<terminated\> buffer [Java Application] C:\Program Files\Java\jdk-13.0.2\bin\javaw.exe (05-Aug-2021, 10:40:02 pm – 10:40:08 pm

```
StringBuffer is a peer class of String that provides much of the functionality of strings.
It is used to insert text at the specified index position
dellac saw ti hcihw no tcejbo desrever eht snruter dohtem ehT
```

5)Stringbuilder class

```java
 1  package length;
 2
 3  public class builder {
 4
 5      public static void main(String[] args) {
 6          //for first- append case
 7              StringBuilder builder=new StringBuilder("StringBuilder");
 8              builder.append(" is a peer class of String");
 9              builder.append(" that provides much of");
 0              builder.append(" the functionality of strings.");
 1              System.out.println(builder);
 2
 3              //for second - insert case
 4              StringBuilder builder1=new StringBuilder("It is used to at the specified index position");
 5              builder1.insert(14, "insert text ");
 6              System.out.println(builder1);
 7
 8              //for third- reverse case
 9              StringBuilder builder2=new StringBuilder("The method returns the reversed object on which it was called");
!0              builder2.reverse();
!1              System.out.println(builder2);
!2
!3          }
!4
!5      }
!6
```

StringBuilder is a peer class of String that provides much of the functionality of strings.
It is used to insert text at the specified index position
dellac saw ti hcihw no tcejbo desrever eht snruter dohtem ehT