# **CORE JAVA**

## STRING ASSIGNMENT

## **Assignment on String Class**

1. Write an application to determine the length of the String str="Hello World". (Hint: Use String method).

Code: -

2. Write an application to join two strings "Hello" & "How are you?" (Hint: Use String method).

### Code: -

```
Deckage string;

public class Concat

{

public static void main(String[] args)

{

String s1="Hello ";

String s2="How are you?";

String out=s1.concat(s2);

System.out.print("Strings after concatenation:"+out);

Problems @ Javadoc  Declaration  Console × Git Staging

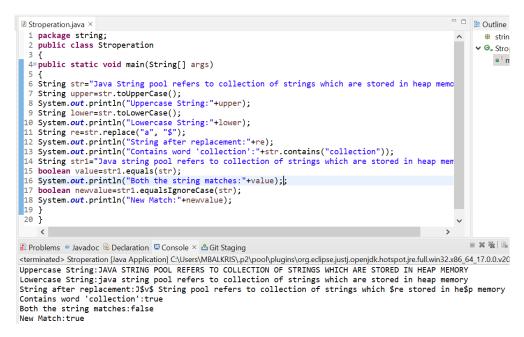
<terminated > Concat [Java Application] C:\Users\MBALKRIS\.p2\pool\plugins\c

Strings after concatenation:Hello How are you?
```

- 3. Given a string "Java String pool refers to collection of strings which are stored in heap memory", perform the following operations (Hint: all operations can be performed using string method).
  - a. Print the string to console in lowercase.
  - b. Print the string to console in uppercase.
  - c. Replace all 'a' character in the string with '\$' sign

- d. Check if the original string contains the word "collection"
- e. Check if the following string "java String pool refers to collection of strings which are stored in heap memory" matches the original
- f. If the string does not match check if there is another method which can be used to check if the strings are equal.

### Code: -



# **Assignment on StringBuffer Class**

1. Write an append the following strings "String Buffer", "is a peer class of String", "that provides much of", "the functionality of strings" using a StringBuffer.

#### Code: -

2. Insert the following string "insert text" in to the string "It is used to \_ at the specified index position" at the location denoted by the sign \_

#### Code: -

3. Reverse the following string "This method returns the reversed object on which it was called" using StringBuffer class.

#### Code: -

## **Assignment on StringBuilder Class**

• Provide solution for "Assignments on StringBuffer class" using StringBuilder class.

### Code: -

```
□ □ □ Outline × □ □ □ № № ● №
Appendingsb.java ×
1 package string;
                                                                                                      # string
  2 public class Appendingsb

▼ O<sub>▶</sub> Appendingsb
 3 {
                                                                                                         • s main(String[]): void
  4 public static void main(String[] args)
  6 StringBuilder sb=new StringBuilder("String Buffer");
 7 String s1="is a peer class of string";
 8 String s2="that provides much of";
 9 String s3="the functionality of strings";
 10 sb.append(s1);
 11 sb.append(s2);
 12 sb.append(s3);
 13 System.out.println("After appending using StringBuilder:"+sb);
 14 }
 15 }
                                                                                                   🖺 Problems @ Javadoc 🗟 Declaration 📮 Console × 📥 Git Staging
```

 $< terminated > Appendingsb [Java Application] C:\\ \ Users\ MBALKRIS\ pc\\ \ pool\ plugins\\ \ org. eclipse. justj. openjdk. hotspot. jre. full.win32.x86\_64\_17.0.0.v20211012-1059\\ \ jre\\ \ bin_javeling beginning beginning beginning by the properties of the properti$ After appending using StringBuilder:String Bufferis a peer class of stringthat provides much ofthe functionality of strings

```
Indexingsb.java ×
 1 package string;
2 public class Indexingsb
       4 public static void main(String[] args)
   String str="It is used to _ at the specified index position";

String newstr="insert text";

int index=str.indexOf("_");

System.out.println("Index no:"+index);

System.out.println("Initial String:"+str);

System.out.println("Index where new string is to be added:"+i

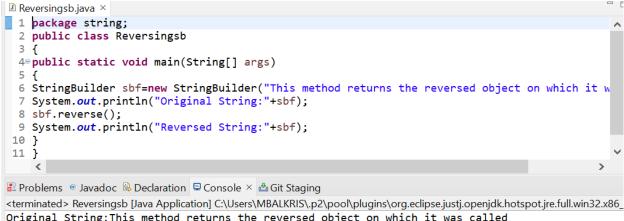
StringBuilder string=new StringBuilder(str);

string.deleteCharAt(index);

string.insert(index, newstr);

System.out.println("Result:"+string);

5 System.out.println("Result:"+string);
                                                                                                                          is to be added: "+index);
    16
  🗈 Problems @ Javadoc 🖳 Declaration 📮 Console × 📥 Git Staging
  <terminated> Indexingsb [Java Application] C:\Users\MBALKRIS\.p2\pool\plugins\org.eclipse.justj.op
  Index no:14
Initial String:It is used to _ at the specified index position
Index where new string is to be added:14
Result:It is used to insert text at the specified index position
```



Original String: This method returns the reversed object on which it was called Reversed String:dellac saw ti hcihw no tcejbo desrever eht snruter dohtem sihT