public class AssignmentString {

public static void main(String[] args) {

//Assignments on String Class//

/\*\*........................... \*\*/

//(1)length of the String

String str = "Hello World";

System.out.println(str.length());

//(2)join the two Strings

String str1= "Hello";

String str2= " How are you";

System.out.println(str1.concat(str2));

//(3)Answer

String str3="Java String pool refers to collection of Strings which are stored in heap memory";

//LowerCase

System.out.println(str3.toLowerCase());

//UpperCase

System.out.println(str3.toUpperCase());

//Replace a-$

System.out.println(str3.replace('a', '$'));

//Contain word "collection"

String strM="Java String pool refers to collection of Strings which are stored in heap memory";

System.out.println(str3.contentEquals(strM));

//Check it is equal to String4...

//str4="java string pool refers to collection of strings which are stored in heap memory"

String str4="java string pool refers to collection of strings which are stored in heap memory";

System.out.println(str3.equals(str4));

// Another method of comparing..

String compare= str3.toLowerCase();

System.out.println(str3.equals(compare));

//Assignments on StringBuffer Class//

/\*\*\*................................\*\*\*/

//1)Answer

StringBuffer sb=new StringBuffer("StringBuffer");

sb.append(" is a peer class of String");

sb.append(" that provides much of");

sb.append(" the functionality of strings");

System.out.println(sb);

//2)Answer

StringBuffer sb2= new StringBuffer("It is used to at the specified index position");

sb2.insert(10," Insert text");

System.out.println(sb2);

//3) Reverse

StringBuffer sb1 = new StringBuffer("This method returns the reversed object on which it was called");

System.out.println(sb1.reverse());

//Assignments on StringBuilder Class//

/\*\*\*................................\*\*\*/

//1)Answer

StringBuilder sb3=new StringBuilder("StringBuilder");

sb3.append(" is a peer class of String");

sb3.append(" that provides much of");

sb3.append(" the functionality of strings");

System.out.println(sb3);

//2)Answer

StringBuilder sb4= new StringBuilder("It is used to at the specified index position");

sb4.insert(10," Insert text");

System.out.println(sb4);

//3) Reverse

StringBuilder sb5 = new StringBuilder("This method returns the reversed object on which it was called");

System.out.println(sb5.reverse());

}

}