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PROBLEM STATEMENT:	Write a program which will read a string and rewrite it in the alphabetical order. For example, the word STRIN should be written as GINRST
THEORY:	Some key points about strings in Java:  1. String Creation:
	In Java, strings can be created using string literals or the `String` class constructor. String literals are created by enclosing characters within double quotes (" "):
	String str1 = "Hello"; // Using string literal
	String str2 = new String("World"); // Using the String class constructor
	2. String Immutability:
	In Java, strings are immutable, meaning their values cannot be changed
	once created. Any operation that appears to modify a string actually creates
	a new string. For example:
	String str = "Hello";
	str = str + " World"; // Creates a new string, "Hello World"
	3. Concatenating Strings:
	Strings can be concatenated using the `+` operator or the `concat()` method:
	String fullName = str1 + " " + str2; // Using the '+' operator
	String concatenated = str1.concat(str2); // Using the 'concat()' method
	4. String Length:
	The length of a string can be obtained using the `length()` method:

int length = fullName.length(); // Returns the length of the string

## **5. Accessing Characters:**

Individual characters of a string can be accessed using the `charAt()` method:

...

char firstChar = fullName.charAt(0); // Retrieves the character at index 0

## **PROGRAM:**

```
import java.util.Arrays;
public class Stringhandling{
    public static void main(String[] args) {
        System.out.println("Enter a string:");
        Scanner sc=new Scanner(System.in);
        String s=sc.next();
        int temp, j;
        int[] strarr=new int[s.length()];
        for(int i=0;i<s.length();i++){</pre>
            strarr[i] = (int) s.charAt(i);
        for(int i=1;i<s.length();i++){</pre>
            temp=strarr[i];
            while (strarr[j-1]>temp) {
                strarr[j]=strarr[j-1];
            strarr[j]=temp;
        String snew=new String();
        for (int i=0; i < s.length(); i++) {
        System.out.println("The string sorted in alphabetical
order is: "+snew);
        sc.close();
```

Enter a string:

shubhan

The string sorted in alphabetical order is: abhhnsu

RESULT: Process finished with exit code 0