```
//To sort the words in a sentence in alphabetical order.                    Aswin Asok

import java.util.*;
public class Sort_Sentences
{
   public static void main(String args[])
   {
      Scanner br = new Scanner(System.in);
      System.out.println("\nEnter the Sentence");
      String sentence = br.nextLine();

      StringTokenizer words = new StringTokenizer(sentence,".,!? ");  // Using String Tokenizer to
seperate the words in the sentence.

      int words_count = words.countTokens(); //counting the number of words in the sentence.
      String word[] = new String[words_count];

      for(int i = 0;i<words_count;i++) //Storing each word in a array for sorting.
      {
         if(words.hasMoreTokens())
         {
            word[i] = words.nextToken();
         }
      }

      for(int i = 0;i<words_count;i++) //Sorting the array in alphabetical order.
      {
         for(int j = i+1; j< words_count;j++)
         {
            if(word[i].compareTo(word[j])>0)
            {
               String temp = word[i];
               word[i] = word[j];
               word[j] = temp;
            }
         }
      }

      System.out.println("\nLENGTH: "+words_count);
      System.out.println("REARRANGED SENTENCE");
      for(int i = 0;i<words_count;i++) //Printing the sorted array
      {
         System.out.print(word[i]+" ");
```

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        }


    }
}
```

OUTPUT

```
Enter the Sentence
THIS IS A PROGRAM WRITTEN USING JAVA

LENGTH: 7
REARRANGED SENTENCE
A IS JAVA PROGRAM THIS USING WRITTEN
Enter the Sentence
NECESSITY IS THE MOTHER OF INVENTION

LENGTH: 6
REARRANGED SENTENCE
INVENTION IS MOTHER NECESSITY OF THE
```