ALGORITHM

• Step-1 :- START  
• Step-2 :- Create a class named as check.

• Step-3 :- Create a function named as sen\_check and pass the string type parameter sen. In this function, create a string tokenizer object and pass the string sen and the delimiter as ? .!,. Create a variable count to store the number of tokens. Create a string type array a[] and now using a for loop (from 0 to count) and store the tokens in the string type array a[]. Create a for loop (from 0 to the length of the array), start a inner loop (from 0 to a.length-1-i) and check whether a[j].compareTo(a[j+1])>0 is true then swap the adjacent elements.Create a for loop (from 0 to the length of the array), start a inner loop (from 0 to a.length-1-i) and check whether a[j].length() > a[j + 1].length(), if true then swap them if they are not in the desired order. Now print the sorted array.

• Step-4 :- Create a function named as main. In this function, create a string type variable sen and store the sentence in it (user input). Call the function sen\_check and pass the string sen as the parameter.

• Step-5 :- END

VD TABLE

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Variable | Data Type | Description |
| 1  2  3  4  5  6  7  8 | i  j  count  a[]  sen  temp  last  len | int  int  int  String  String  String  char  int | To store the value of the loop variable To store the value of the loop variable To store the number of tokens  To store the tokens  To store the sentence  To store the temporary value  To store the last character of the sentence To store the length of the sentence |

OUTPUT

