ALGORITHM

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

• Step-3 :- Declare wrd to store a word, len integer to store length of the word, swapwrd to store the swapped word, sortwrd to store the sorted word.

• Step-4 :- Create a contrustor named as SwapSort to initialize data members with legal initial values.• Step-5 :- Create a method named as readword to accept a word in UPPER CASE.

• Step-6 :- Create a method named as swapchar to interchange/swap the first and last characters of the word in wrd and stores the new word in swapwrd.

• Step-7 :- Create a method named as sortchar to sort the characters of the word in swapwrd and stores the new word in sortwrd.

• Step-8 :- Create a method named as main to create an object and call the functions accordingly to enable the task.

• Step-9 :- END

VD TABLE

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Variable | Data Type | Description |
| 1  2  3  4  5  6  7 | wrd  len  swapwrd sortwrd  i  j  c | String  int  String  String  int  int  char | To store a word  To store length of the word  To store the swapped word  To store the sorted word  To store the index of the word  To store the index of the word  To store the temporary character |

OUTPUT

