Prompt user for a string value

Declare and initialize counter to 0

Declare and initialize arrays for word lists

start

Is the alphabetical value of the string where the pointer is > the string after it ?

No

Yes

Swap the value of the string where the pointer is at with the previous string in the list

Is there another string in the list?

Get user input

No

Append string to list

Yes

Move the pointer 1 positions

Increment counter by 1

Is the counter = 10?

No

Yes

Is the counter > 10?

Increment counter by 1

Print list in original order

No

Yes

Print list in sorted order

Reset counter to 1

Move the pointer to beginning of the list

Print list starting with vowels

Does the string begin with a vowel & is the counter = 1?

Stop

No

Add it to the word list beginning with vowels

Yes

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Does the first string in the list begin with a vowel?

No

Yes

Add it to the word list beginning with vowels

Move the pointer 1 positions