C program to count number of vowels and consonants in a string.

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Algorithm

Step1 : Start

Step 2: input str

Step 3: len = str len (str)

Step 4: if [str[i]='a' || str[i]='e' || str[i]='i' || str[i]='o' ||
        str[i]='u' & str[i]='A' || str[i]='E' || str[i]='I' ||
        str[i]='O' || str[i]='U']

step 5 : then co vcount ++
         else

Step 6 : count ++

step 7: Display the number of vowels and consonants

step 8: Stop

Flowchart

```
                    ( Start )
                        |
                        v
                 / Input str /
                        |
                        v
              | len = str len (str) |
                        |
                        v
          < for(i=0; i<len; i++) >----------T------+
                        |                           |
                        v                           |
                      if                            |
                 ( str[i]='a'                       |
            F   str[i]='e' || str[i]='i'     T      |
       +---- || str[i]='o' || str[i]='u' || ----+   |
       |      str[i]='A' || str[i]='E' ||    |   |   |
       |         str[i]='I' || str[i]         |   |   |
       |          ='O' || str[i]              |   |   |
       |            ='U' )                    |   |   |
       |                                      |   |   |
 | c count ++ |                        | vcount ++ |  |
       |                                      |      |
       +--------------+-----------------------+------+
                      |
                      v
         / Display the number of vowels /
         / and consonants              /
                      |
                      v
                  ( stop )
```