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G. section :

Algorithm:

1) Start

2) Input str

3) len = strlen(str)

4) Repeat for i=0 to len-1

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'].

vcount ++

Else

ccount ++

5) Display valume count.

output vcount

6) Display constants count

output ccount.

7) Stop.

Flowchart

```
                    ( Start )
                        |
                        v
              / Input Str /
                        |
                        v
              [ len = strlen (str) ]
                        |
                        v
     < for (i=0 ; i<len; i++) >-------- True
                        |
                        v
            / if(str[i]=='a'|
           |  str[i]=='e'||str[i]='e'
false------|  str[i] = 'o' || str[i]=='u'     ---- True
           |  str[i] == 'A' ||str[i]=
            \  'e'|str[i]='I')
                str[i]=
                str[i]
```

[ccount++]   [vcount++]

```
              / vowel     count
                output vcount. /
                        |
                        v
              / consonants count
                output count /
                        |
                        v
                    ( STOP )
```