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Algorithm:-

1) Start

2) Initialise vowels=0, consonents=0

3) Read line.

4) while (*ptr != '\0')

5) if(*ptr == 'a' || *ptr == 'e' || *ptr == 'i' ||
   *ptr == 'o' || *ptr == 'u' || *ptr == 'A' ||
   *ptr == 'E' || *ptr == 'I' || *ptr == 'O' ||
   *ptr == 'U').

6) increment vowels++, consonents++, ptr++

7) print("vowels") or printf("consonents")

8) Stop.

Flowchart

START

Vowels = 0
constants = 0

Read line

while
(*ptr != '\0')

if (*ptr == 'a' || *ptr == 'e' ||
*ptr == 'i' || *ptr == 'o' ||
*ptr == 'u' || *ptr == 'A' || *ptr
== 'E' || *ptr == 'I' || *ptr == 'O' ||
*ptr = 'U'))

T

F

vowels++

cosonant++

ptr++

printf("vowels")

printf("consonant")

STOP