

Compile Result

```
Enter a line of string: chandan vs  
Vowels: 2  
Consonants: 7  
Digits: 0  
White spaces: 1  
[Process completed - press Enter]
```

Algorithm

Step 1: Start

Step 2: Declare and initialize

int vowels = 0, consonants = 0, digits = 0, space = 0;

char line[50]

Step 3: Enter line of the strings.

gets(line, size of line), stdin

Step 4: Condition or Logic: for(int i = 0; line[i] != '\0'; i++)

if (line[i] == 'a' || line[i] == 'e' || line[i] == 'i' || line[i] == 'o' ||

line[i] == 'u' || line[i] == 'A' || line[i] == 'E' || line[i] == 'I' ||

line[i] == 'O' || line[i] == 'U')

++ vowels;

Step 5: Else if ((line[i] >= 'a' && line[i] <= 'z') || line[i] >= 'A' && line[i] <= 'Z')

++ consonant

S.1 Else if ((line[i] >= '0' && line[i] <= '9')

++ digit

S.2 Else if (line[i] == ' ')

++ space

Step 6: Print Output

Step 7: Stop

Flowchart

