• Algorithm.

```
                          Start
                            |
                            v
                  +-------------------+
                  | vowels = 0        |
                  | consonants = 0    |
                  +-------------------+
                            |
                            v
                  +-------------------+
                  | Read  line        |
                  +-------------------+
                            |
                            v
        for ( int i = 0 ; line [i] != '\0' ; i++ )   F
                            |
                            T
                            v
   if ( line [i] == 'a' || line [i] == 'e' || line [i] == 'i' ||
        line [i] == 'o' || line [i] == 'u' || line [i] == 'A' ||   F
        line [i] == 'E' || line [i] == 'I' || line [i] == 'O' ||
                    line [i] == 'U' )
                            |
                            T
                            v
                    +--------------+
                    | ++ vowels    |
                    +--------------+

   F   else if (( line [i] >= 'a' && line [i] <= 'z' ) ||
               ( line [i] >= 'A' && line [i] <= 'Z' ))
                            |
                            T
                            v
                    +--------------+
                    | consant ++   |
                    +--------------+

                            |
                            v
                  +-------------------+
                  | Print  vowels and |
                  |   consanauts      |
                  +-------------------+
                            |
                            v
                          Stop
```
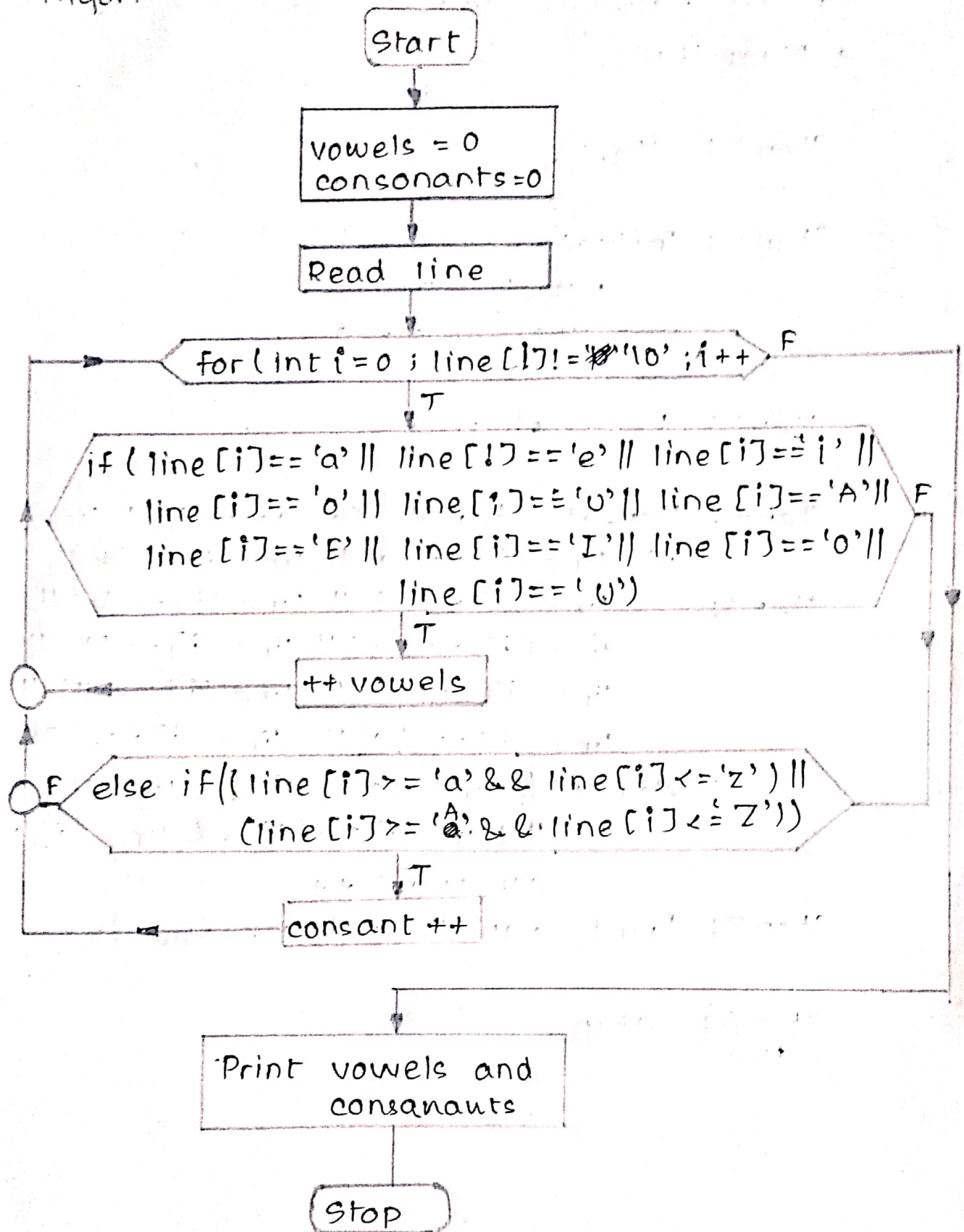
No. of vowels and consonants.

• Algorithm.

Step 1 : Start.

Step 2 : Initialise
        vowels = 0
        consonants = 0

Step 3: Read s' line

Step 4: Repeat step 4 for i=0 till line!='\0'
        if ( line [i] == 'a' || line [i]== 'e' ||
Step 5:     line [i] == 'i' || line [i] == 'o' ||
            line [i] == 'u' || line [i] == 'A' ||
            line [i] == 'E' || line [i] == 'I' ||
            line [i] == 'O' || line [i] == 'O'
        else if (( line[i] >= 'a' && line [i]<=z')
            || (line[i] >= 'A' && line [i]<=Z'))
                consonaut ++
Step 5: Print vowels and consonauts.

Step 6: Stop