25/03/2023

https://my.newtonschool.co/playground/code/v14sd5wqfew3/

s.length = 6

```java
1   import java.util.*;
2   import java.security.KeyStore.Entry;
3   import java.util.*;    // Scanner
4
5   public class Main{
6
7
8       public static void main(String []args){
9           Scanner sc = new Scanner(System.in);
10          String s=sc.next(); // maruti
11          String v="";
12          String oth="";          6
13          for(int i=0;i<s.length();i++){
14              if(s.charAt(i)=='a'||s.charAt(i)=='e'||s.charAt(i)=='i'||s.charAt(i)=='o'
15                  v+=s.charAt(i); // v = v + s.charAt(i)
16              }
17              else{
18                  oth+=s.charAt(i); //oth = oth + s.charAt(i);
19              }
20          }
21          System.out.println(v+oth); // auimrt
22          return;
23      }
24
25
```

$$s = \boxed{m \mid a \mid r \mid u \mid t \mid i}$$

indices: 0 1 2 3 4 5

V = aui

oth = mrt

or

or

Java (OpenJDK 13.0.1) ▾   ⚙ ⛶ ↺   16px ▾   ▶ Run   Submit

```java
20        int f=1;
21        while(i<n)
22        {
23            char ch = s.charAt(i);
24            if(f==1 && (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u'))
25            {
26                while(i<n)
27                {
28                    ch = s.charAt(i);
29                    out.print(ch);
30                    if(ch == ' ')break;
31                    i++;
32                }
33            }
34            else f=-1;
35            if(ch == ' ')f=1;
36            i++;
37        }
38        out.close();
```

Handwritten annotations:

n = 10

S	c	a	t		a	t		r	a	t
	0	1	2	3	4	5	6	7	8	9

ch = s.charAt(i); // 'a' ' '

i=0
f= r / 1 +1
ch = 'r' / 'a' / 't' / 'a'

f=1 → 1st char of word
f=-1 → not 1st char of word