Anesh Somanath Najalikar
INL19CS010

C program to remove vowels from a string.

Algorithm

1. Start

2. Read string elements str1, str2

3. for (i=0; i < strlen (str1); i++)

4. if (str1[i] = 'a' || str1 = 'e' || str1 == 'i' || str1 = 'o' || str1 = 'u' ||
       str1 = 'A' || str1 = 'E' || str1 = 'I' || str1 = 'O' || str1 = 'U' ||
       str1[i] = '\0' ; i).

5. else
    str2 [j++] = str1[i]

6. str2 [j] = '\0'

7. output str2

8. stop

Flowchart

```
                    ( Start )
                        |
                        v
              /Input string/
              / elements /
                        |
                        v
      ( for(i=0; i<strlen(str); i++) )
                        |
                        v
                       / 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';   /                              |
 |               \              /                                |
 v                \    \/      /                                 v
( str2[j++]=str[i] )                              ( str[i]=='  ' )
 |                                                              |
 |                                                              |
 |------------------------+-------------------------------------|
                          |
                          v
                  [ str2 = '\0' ]
                          |
                          v
                  / output str2 /
                          |
                          v
                    ( Stop )
```

F. flowchart