1 | **Write a c program to take multiline string input and print individual string length .**

```
int main()
{
    char Str[1000];
    int i;

    printf("Enter the String: ");
    scanf("%s", Str);

    for (i = 0; Str[i] != '\0'; ++i);

    printf("Length of Str is %d", i);

    return 0;
}
```

OUTPUT:

Enter the String: Length of Str is 0

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2 | **Write a c program to reverse the individual word of a given string Explanation:input : Welcome To Bytexl output: emocleWoT lxetyB.**

```
#include <stdio.h>
 void reverse(char* begin, char* end)
{
    char temp;
    while (begin < end) {
        temp = *begin;
        *begin++ = *end;
        *end-- = temp;
    }
}
 void reverseWords(char* s)
{
    char* word_begin = s;
    char* temp = s;
    while (*temp) {
        temp++;
```

```c
        if (*temp == '\0') {
            reverse(word_begin, temp - 1);
        }
        else if (*temp == ' ') {
            reverse(word_begin, temp - 1);
            word_begin = temp + 1;
        }
    }
     reverse(s, temp - 1);
}
 int main()

{
   char s[] = "i like this program very much";
   char* temp = s;
   reverseWords(s);
   printf("%s", s);
   return 0;
}
```

OUTPUT:

much very program this like i