

```
Ex_1.c Ex_2.c Ex_3.c Console
1 /*
2  * Ex_1.c
3  * Created on: Aug 1, 2021
4  * Author : Sarah
5  */
6
7 #include <stdio.h>
8
9 int main(){
10     setvbuf(stdout, NULL, _IONBF, 0);
11     setvbuf(stderr, NULL, _IONBF, 0);
12     char string[100], ch;
13     printf("Enter a string: ");
14     gets(string);
15     printf("Enter a character to find frequency: ");
16     scanf("%c", &ch);
17     int i = 0, count = 0;
18     while(string[i] != '\0'){
19         if(string[i] == ch){
20             count++;
21         }
22         i++;
23     }
24     printf("Frequency of %c = %d", ch, count);
25     return 0;
26 }
27
```

<terminated> (exit value: 0) Ex_1.exe [C/C++ Application]
Enter a string: This website is awesome.
Enter a character to find frequency: e
Frequency of e = 4

```
Ex_1.c Ex_2.c Ex_3.c Console
1 /*
2  * Ex_2.c
3  * Created on: Aug 1, 2021
4  * Author : Sarah
5  */
6
7
8 #include <stdio.h>
9
10 int main(){
11     setvbuf(stdout, NULL, _IONBF, 0);
12     setvbuf(stderr, NULL, _IONBF, 0);
13     char string[100];
14     printf("Enter a string: ");
15     gets(string);
16     int i = 0;
17     while(string[i] != '\0'){
18         i++;
19     }
20     printf("Length of string: %d", i);
21     return 0;
22 }
23
```

<terminated> (exit value: 0) Ex_2.exe [C/C++ Application]
Enter a string: Programiz
Length of string: 9

Ex_3.c

```
1 /*
2  * Ex_3.c
3  * Created on: Aug 1, 2021
4  * Author    : Sarah
5  */
6
7
8 #include <stdio.h>
9
10 int main(){
11     setvbuf(stdout, NULL, _IONBF, 0);
12     setvbuf(stderr, NULL, _IONBF, 0);
13     char string[100];
14     printf("Enter a string: ");
15     gets(string);
16     int i = 0;
17     while(string[i] != '\0'){
18         i++;
19     }
20     printf("Reverse string is: ");
21     for(int j = i - 1; j >= 0; j--){
22         printf("%c", string[j]);
23     }
24     return 0;
25 }
26
```

Console

```
<terminated> (exit value: 0) Ex_3.exe [C/C++ Application]
Enter a string: Pritesh
Reverse string is: hsetirP
```