EX 16	**PROGRAM TO FIND THE FREQUENCY OF A CHARACTER IN A STRING**
DATE:	

AIM:

To find the frequency of a character in a string.

ALGORITHM:

Step 1 : Start the program

Step 2 : Get the string

Step 3 : Get the character for which frequency needs to be found

Step 4 : Display the frequency

Step 5 : Stop the program

PROGRAM:

```c
#include  <stdio.h>  int
main() {
   char  str[1000], ch;  int
   count = 0;

   printf("Enter  a  string: ");  fgets(str,
   sizeof(str), stdin);

   printf("Enter a character to find its frequency: "); scanf("%c",
   &ch);

   for (int i = 0; str[i] != '\0'; ++i) {
      if (ch == str[i])
```

```
            ++count;
        }


        printf("Frequency of %c = %d", ch, count); return 0;
    }
```

OUTPUT:

Enter a string: This website is awesome.

Enter a character to find its frequency: e

Frequency of e = 4

RESULT:

Thus the C Program to find the frequency of a character in a string has been executed and verified.