

*****Program 44.c *****

```
#include<stdio.h>
int main() {
    char color[] = "blue";
    char color1[] = {'b', 'l', 'u', 'e', '\0'};
    int len;
    int len1;
    printf("color is %s %s\n", color, color1);

    printf("Enter a string: ");
    scanf("%s",tempS);
    printf("String enetered is %s\n", tempS);
```

```
}
```

*****Program 44.1.c *****

```
#include<stdio.h>
#include<string.h>
int mystrlen(char s[]);
int main() {
    char color[] = "blue";
    char color1[] = {'b', 'l', 'u', 'e', '\0'};
    int len;
    int len1;
    char tempS[20];
    printf("color is %s %s\n", color, color1);
    len = strlen(color);
    len1 = strlen(color1);
    printf("length is %d %d\n", len, len1);

    printf("Enter a string: ");
    scanf("%s",tempS);
    len = mystrlen(tempS);
    printf("length of tempS is %d\n", len);
}
```

```
int mystrlen(char tempS[]) {
    int len = 0;
    while (tempS[len] != '\0') {
        len++;
    }
    return len;
}
```