

main.c



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Output

```
1 //DAY 43
2 //Q85
3 #include <stdio.h>
4 int main() {
5     char str[100];
6     int i, len = 0, temp;
7
8     printf("Enter a string: ");
9     fgets(str, sizeof(str), stdin);
10
11     for (i = 0; str[i] != '\0'; i++) {
12         if (str[i] == '\n') break;
13         len++;
14     }
15     for (i = 0; i < len / 2; i++) {
16         temp = str[i];
17         str[i] = str[len - i - 1];
18         str[len - i - 1] = temp;
19     }
20     printf("Reversed string: ");
21     for (i = 0; i < len; i++) {
22         printf("%c", str[i]);
23     }
24     printf("\n");
25     return 0;
26 }
```

Enter a string: ABCD
Reversed string: DCBA

=== Code Execution Successful ===



```
1 //DAY 43
2 //Q86
3 #include <stdio.h>
4 #include <string.h>
5
6 int main() {
7     char str[100];
8     int i, len, flag = 0;
9
10    printf("Enter a string: ");
11    fgets(str, sizeof(str), stdin);
12
13    len = strlen(str);
14    if (str[len - 1] == '\n') {
15        str[len - 1] = '\0';
16        len--;
17    }
18
19    for (i = 0; i < len / 2; i++) {
20        if (str[i] != str[len - i - 1]) {
21            flag = 1;
22            break;
23        }
24    }
25    if (flag)
26        printf("%s is not a palindrome\n", str);
27    else
28        printf("%s is a palindrome\n", str);
29    return 0;
```

Enter a string: MADAM
MADAM is a palindrome

=== Code Execution Successful ===