

LAB ASSIGNMENT 14

1.

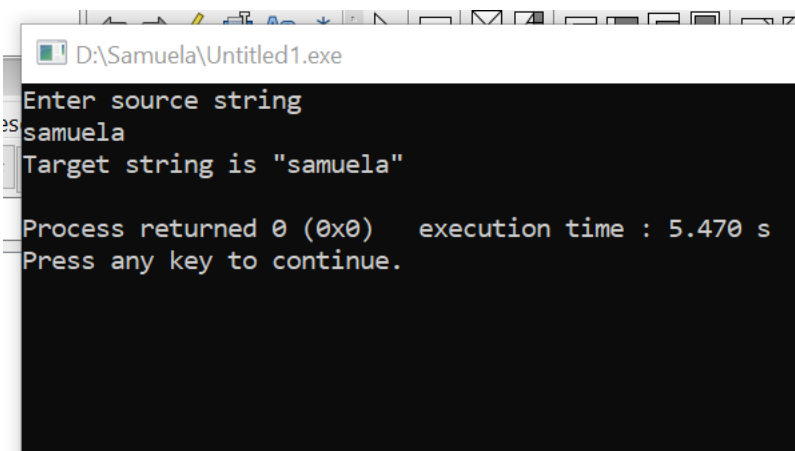


```
10
11 while (*ptr != '\0') {
12     ++ptr;
13 }
14 --ptr;
15
16 for (rev = string; ptr >= rev; ) {
17     if (*ptr == *rev) {
18         --ptr;
19         rev++;
20     }
21     else
22         break;
23 }
24
25 if (rev > ptr)
26     printf("String is Palindrome");
27 else
28     printf("String is not a Palindrome");
29 }
30
31 // Driver code
32 int main()
33 {
34     char str[100];
```

Result

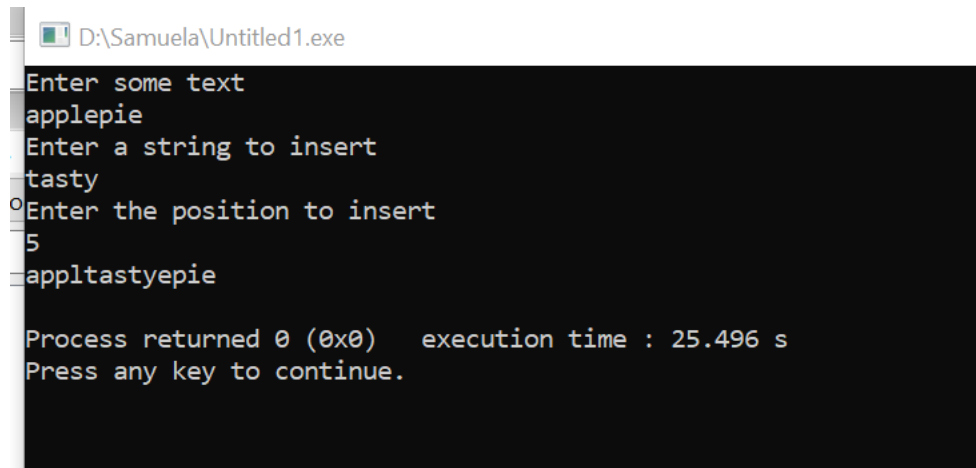
```
$gcc -o main *.c -lm
$main
String is Palindrome
```

2.



```
D:\Samuela\Untitled1.exe
Enter source string
samuela
Target string is "samuela"

Process returned 0 (0x0)   execution time : 5.470 s
Press any key to continue.
```



```
D:\Samuela\Untitled1.exe
Enter some text
applepie
Enter a string to insert
tasty
Enter the position to insert
5
appltastyepie

Process returned 0 (0x0)   execution time : 25.496 s
Press any key to continue.
```

3.