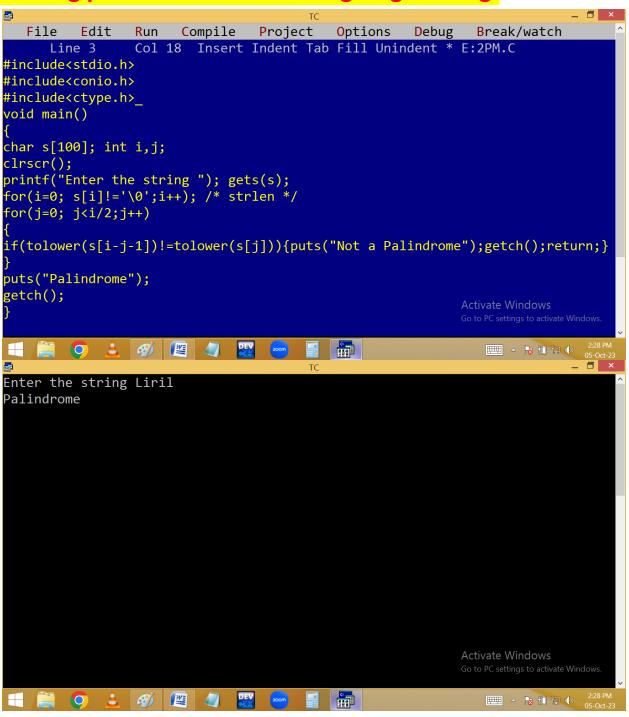
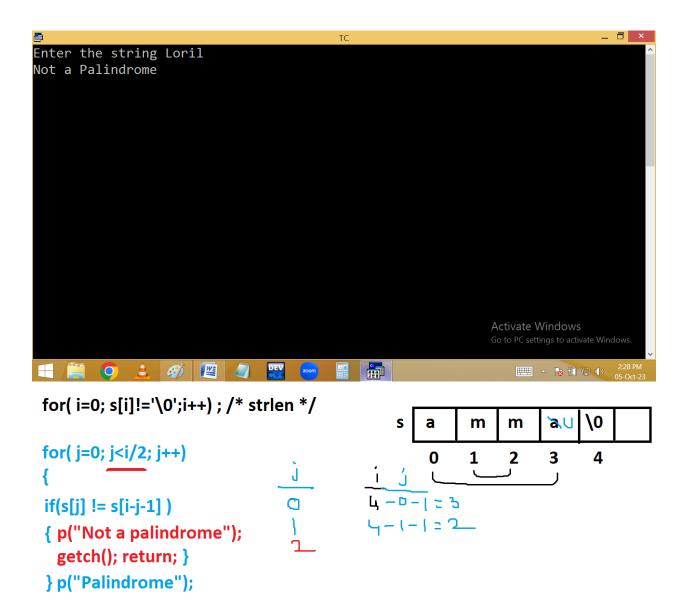
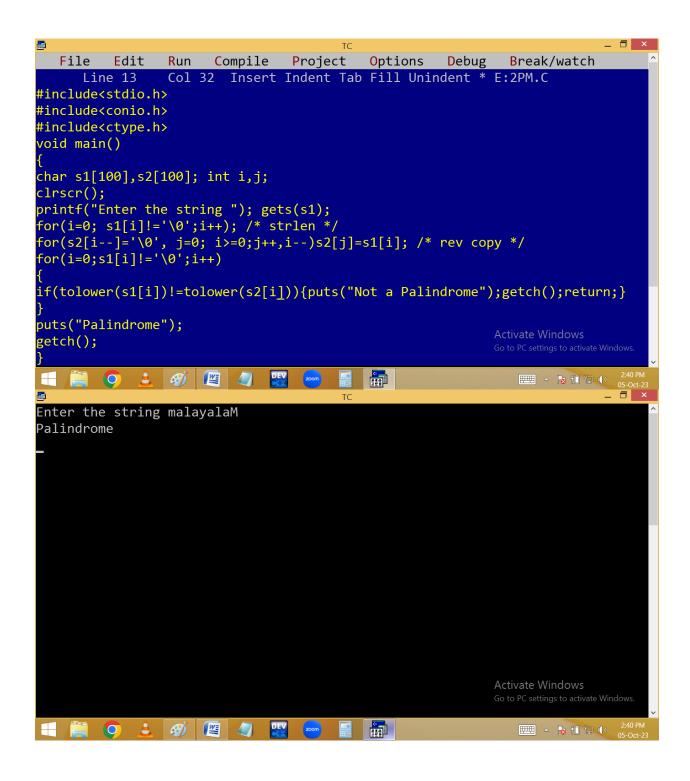
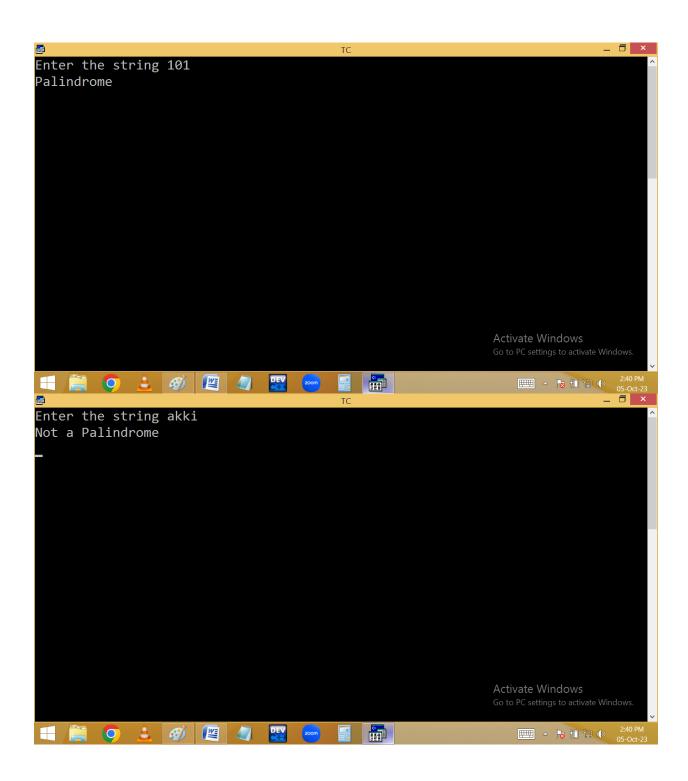
#### Finding palindrome or not using single string:



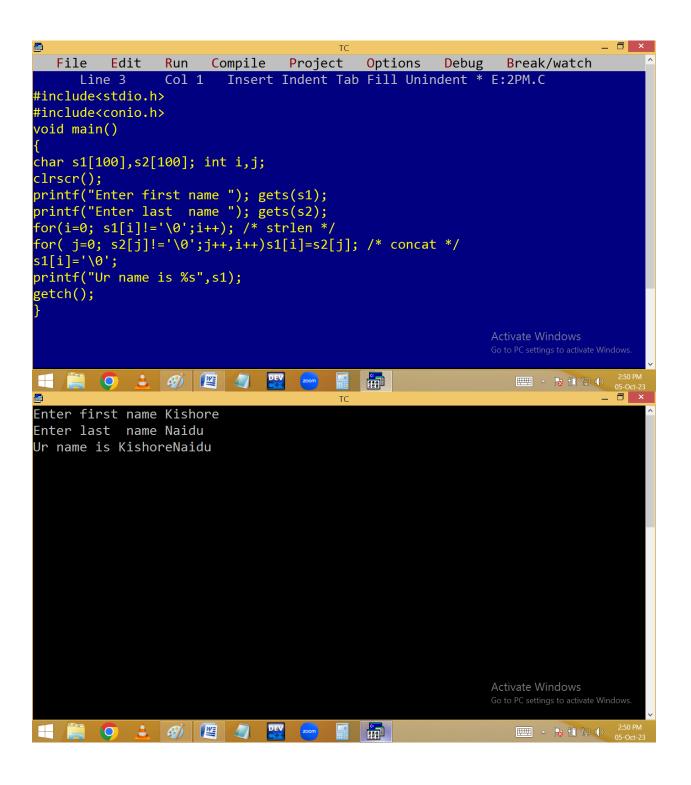


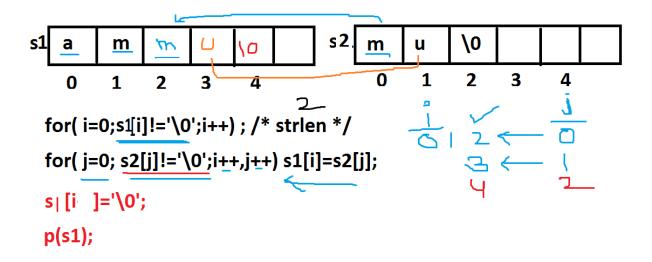




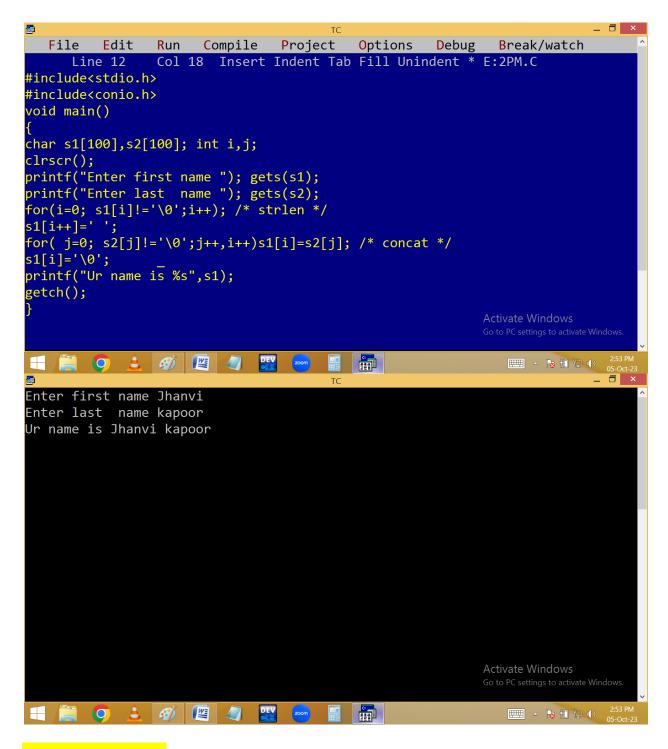
```
for( i=0; s[i]!='\0';i++); /* strlen */
                                                                                       \0
                                                                                 a
s2[i--]='\0';
                                                                                 3
                                                                                        4
for( j=0; j>=0; j++,i--)
                                                              0
s2[j]=s1[i]; /* rev copy */3 > 0
                                                                                 a
                                                                                       \0
                                                                    m
                                                                          m
 for \underline{(i=0;\,s1[i]!='\backslash 0';i++)} 
if(s1[i]!=s2[i]) /* strcmp */
{p("Not");getch();return;}
} p(palindrome);
```

## String concatenation [ Adding of two strings ]:



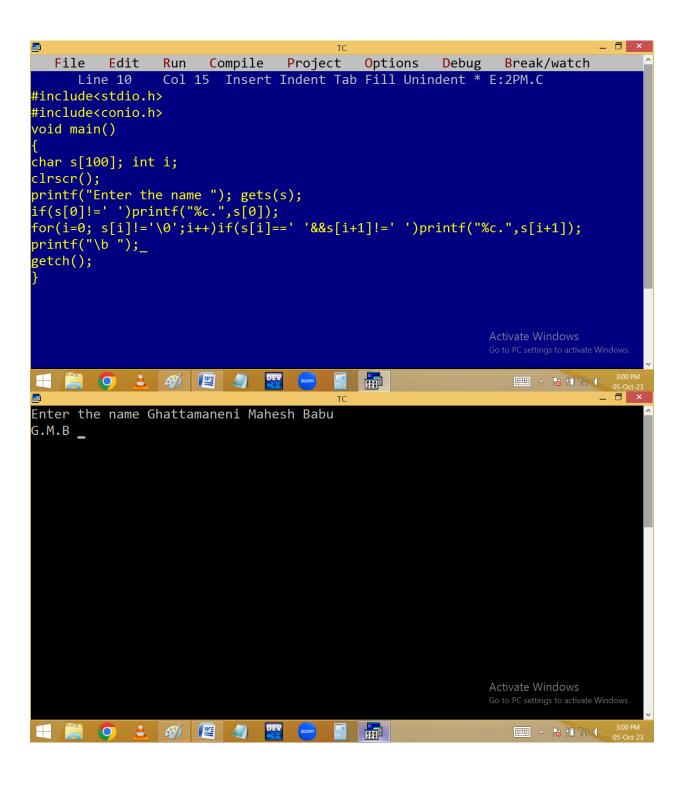


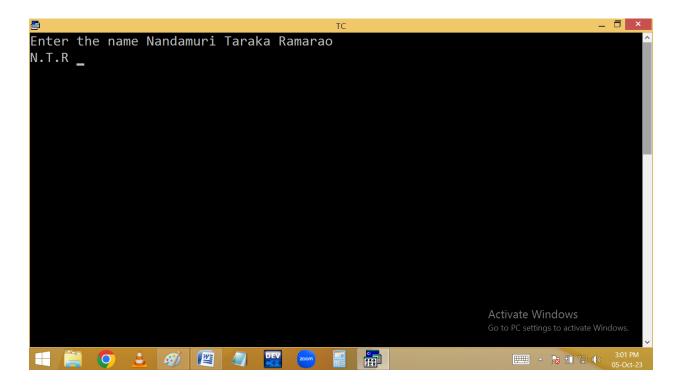
# With space:



#### **Abbreviation**:

Surya kumar yadav → Sky

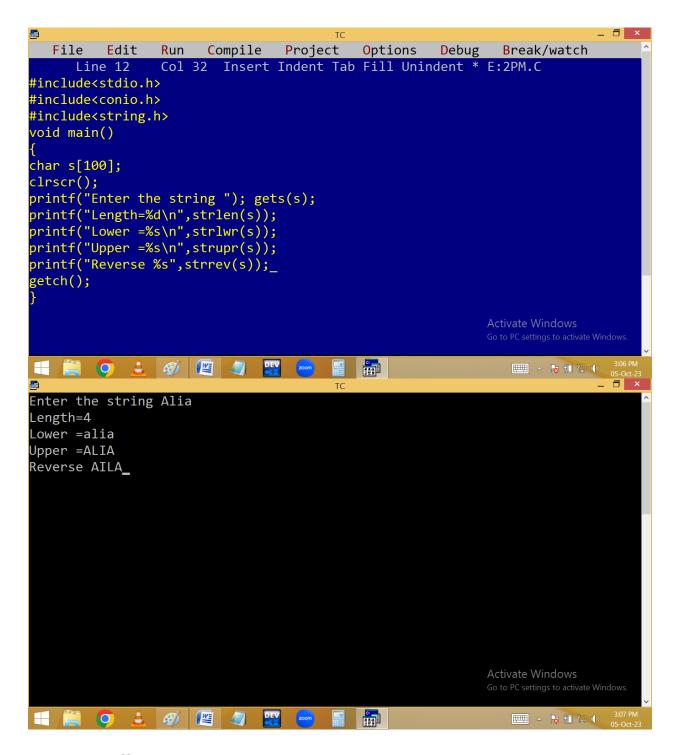




## String library functions:

To manage string operations, c language provides some predefined functions available in <string.h>

- 1. strlen(): It return the string length.
- 2. strrev(): Return reverse string.
- 3. **strlwr()**: Converts into lower case.
- 4. **strupr()**: Converts into upper case.

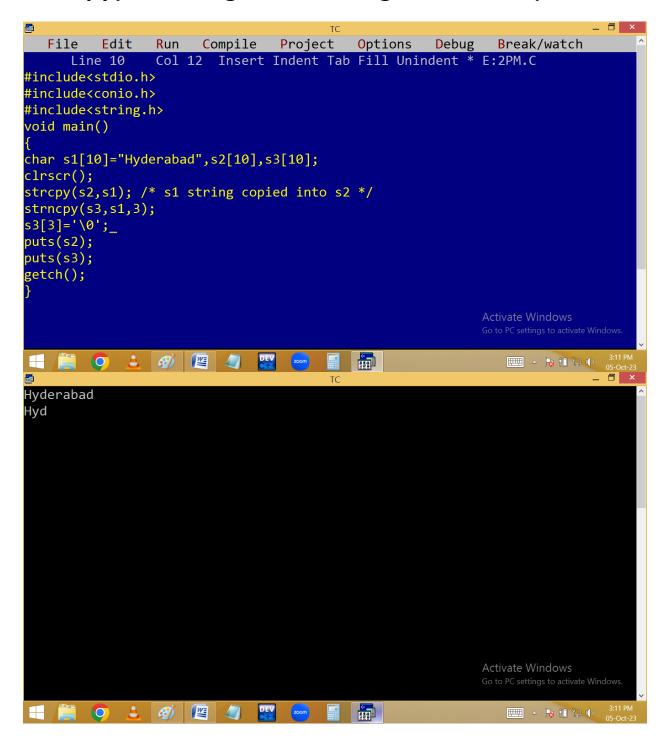


5. strcpy(): It copies the source string into the destination string.

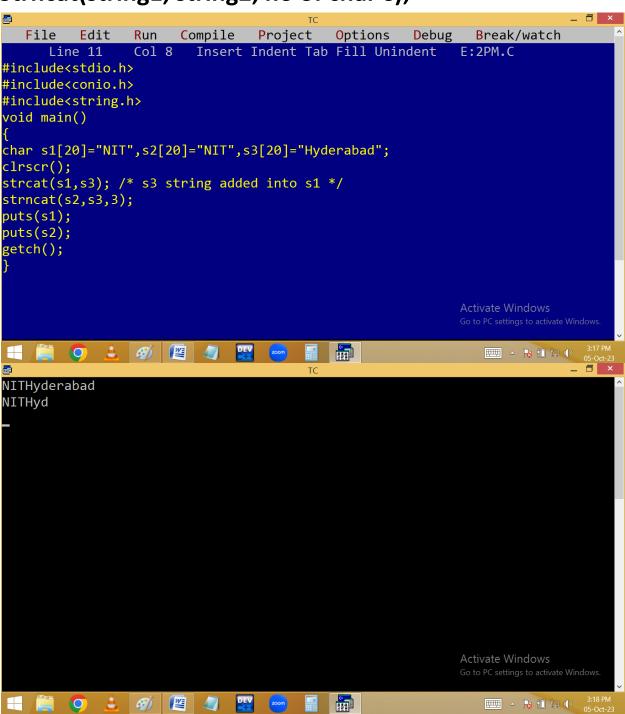
Strcpy( destination string, source string);

6. strncpy(): It copies specified no of characters into destination string.

strcpy(dest string, source string, no of char's);

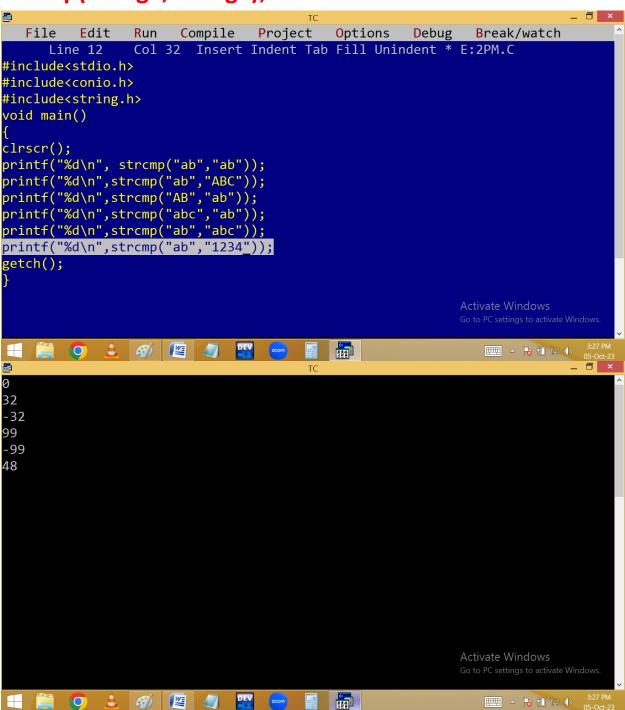


- 7. strcat(): It adds string2 to string1.
   strcat(string1, string2);
- 8. strncat(): It adds specified no of char to string1. Strncat(string1, string2, no of char's);



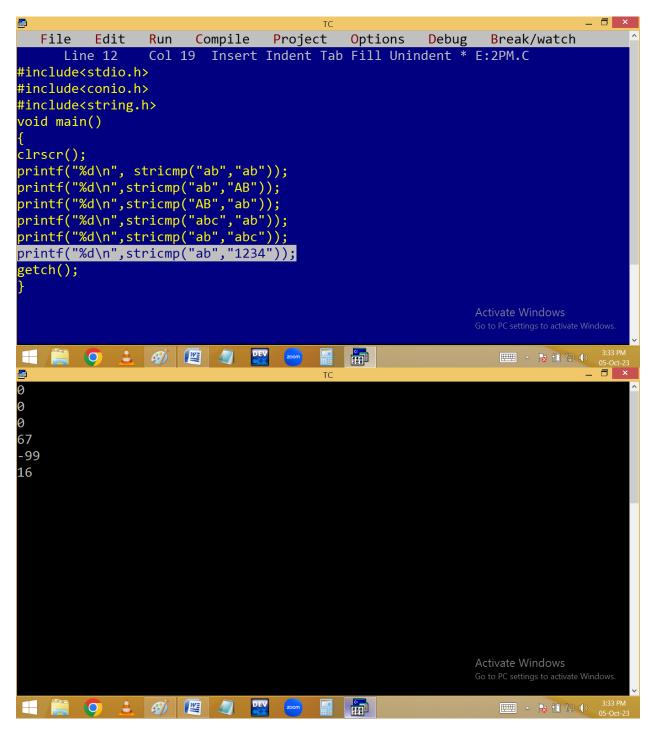
9. strcmp(): It compare two string based on ASCII values and when 1<sup>st</sup> difference found, it returns the difference value.

### Strcmp(string1, string2);



10. stricmp(): it compare two strings by ignoring case. i.e. in stricmp() lower and upper are same. If matching char not found or different data type available in 2<sup>nd</sup> string, the first string char taken in upper case.

Stricmp( string1, string2);



11. strstr(): It searches the sub string availability in main string and it found, it returns the sub string address. If sub string not found, it return null.

