String related problems
(Total 15 questions)

SL	Problem statement	Difficulty levels
1.	**Write a program in C to find the length of a string without using any library function.**	*

Sample Input	Sample Output
"My name is andy"	**15**
"Abc 123 7&*&*"	**13**

SL	Problem statement	Difficulty levels
2.	**Write a program in C to concatenate two strings without using any library function.**	*

Sample Input	Sample Output
"My name " **"is andy"**	**"My name is andy"**
"123abc" **"*A*B"**	**"123abc*A*B"**

SL	Problem statement	Difficulty levels
3.	**Write a program in C to count how many vowels are there in a string.**	*

Sample Input	Sample Output
"My name is andy"	**4**
"Are you READY yet?"	**7**

SL	Problem statement	Difficulty levels
4.	**Write a program in C to count the number of words in a string.**	*

Sample Input	Sample Output
"My name is andy"	**4**
"Abc 123 7&*&*"	**3**

SL	Problem statement	Difficulty levels
5.	**Write a program in C to find the reverse of a string.**	**

Sample Input	Sample Output
"My name is Andy"	**"ydnA si eman yM"**

| "Abc 123 7&*&*" | "*&*&7 321 cbA" | |

6. Write a program in C to convert lowercase string to uppercase.   *

Sample Input	Sample Output
"My name is andy"	"MY NAME IS ANDY"
"& I am 20 years old"	"& I AM 20 YEARS OLD"

7. Write a program in C to toggle the case of each character in a string.   *

Sample Input	Sample Output
"My name is Andy"	"mY NAME IS aNDY"
"& I am 20 Years old"	"& i AM 20 yEARS OLD"

8. Write a program in C to sort a string array in alphabetic order.   **

Sample Input	Sample Output
"My name is Andy"	" AMadeimnnsyy"
"Abc 123 7&*&*"	" &&**1237Abc"

9. Write a program in C to count the occurrences of a character in a string regardless of its case.   *

Sample Input	Sample Output
"My name is Andy" 'a'	2
"WELCOME to CSE, everyone" 'E'	6

10. Write a program in C to check whether a string is a palindrome or not.   **

Sample Input	Sample Output
"My name is andy"	no
"madam"	yes

11. Write a program in C to add the digits in a string.   **

Sample Input	Sample Output
"I am 20 years old"	2
"Abc 123 7&*&*"	13

12. Write a program in C to count occurrences of a word in a string.   ***

Sample Input	Sample Output
"I liked the story about the sad giant" "the"	2
"It is what it is" "it"	1

13. Write a program in C to remove all repeated characters in a string.   ***

Sample Input	Sample Output
"i like programming in C"	"i lkeprogamnC"
"My name is Andy"	"My nameisAd"

14. Write a program in C to find the maximum occurring character in a string.   ***

Sample Input	Sample Output
"Welcome to CSE"	E (or e)
"mmmttssarrrddd"	D (or d)
"mmmttssarrrDDd"	D (or d)

15. Write a program in C to reverse the words in a string.   ***

Sample Input	Sample Output
"My name is Andy"	"Andy is name My"
"Abc 123 7&*&*"	"7&*&* 123 Abc"