*PR-7 String:-*

1. Write a C program that demonstrate static string and add - (dash) after each character except last character.

#include <stdio.h>

int main() {

char str[5]={'S','U','R','A','T'};

int i, len = strlen(str);

for (i = 0; i < len - 1; i++) {

printf("%c - ", str[i]);

}

printf("%c\n", str[len - 1]);

return 0;

}

Output:-



2. Write a C program that demonstrate all string functions.

1.

#include<stdio.h>

#include<string.h>

int main() {

int l;

char str[50];

printf("Please enter any string: ");

gets(str);

l = strlen(str);

printf("String length is: %d",l);

return 0;

}

Output:-



2.

#include<stdio.h>

#include<string.h>

int main() {

char str1[50], str2[50];

printf("Please enter any string: ");

gets(str1);

strcpy(str2, str1);

puts(str2);

return 0;

}

Output:-



3.

#include<stdio.h>

#include<string.h>

int main() {

char str1[50], str2[50];

printf("Please enter any string 1: ");

gets(str1);

printf("Please enter any string 2: ");

gets(str2);

strcat(str1, str2);

puts(str1);

return 0;

}

Output:-



4.

#include<stdio.h>

#include<string.h>

int main() {

char str1[50], str2[50];

printf("Please enter any string 1: ");

gets(str1);

printf("Please enter any string 2: ");

gets(str2);

if (strcmp(str1,str2) == 0){

printf("both string is same:");

}else {

printf("both string is not same: ");

}

puts(str1);

return 0;

}

Output:-



5.

#include<stdio.h>

#include<string.h>

int main() {

int l;

char str[50];

printf("Please enter any string: ");

gets(str);

strrev(str);

puts(str);

return 0;

}

Output:-



6.

#include<stdio.h>

#include<string.h>

int main() {

int l;

char str[50];

printf("Please enter any string: ");

gets(str);

strlwr(str);

puts(str);

return 0;

}

Output:-



7.

#include<stdio.h>

#include<string.h>

int main() {

int l;

char str[50];

printf("Please enter any string: ");

gets(str);

strupr(str);

puts(str);

return 0;

}

Output:-



3. Write a C program that remove white space from given string.

#include<stdio.h>

#include<string.h>

int main() {

int i, j;

char str[100];

printf("Please enter any number;0");

gets(str);

i = 0;

while (str[i] != '\0') {

if (str[i] == ' ') {

for (j=i; str[j] != '\0'; j++) {

str[j] = str[j+1];

}

}

i++;

}

puts(str);

return 0;

}

Output:-

  
  
4. Write a C program that remove repeated character from given string.

#include<stdio.h>

int main(){

char str[100];

int i, j, k;

printf("Pls Enter any String : ");

gets(str);

for(i=0; str[i] !='\0'; i++){

for(j=i+1; str[j] != '\0'; j++){

if(str[i] == str[j]){

for(k=j; str[k] != '\0'; k++){

str[k]=str[k+1];

}

}

}

}

puts(str);

return 0;

}

Output:-

  
  
5-6. Write any two C program that demonstrate string without string function.

5.

#include <stdio.h>

int main() {

char str[100];

int len = 0;

printf("Please Enter Any string : ");

gets(str);

while (str[len] != '\0') {

len++;

}

printf("The length of the string is: %d\n", len);

return 0;

}

Output:-



6.

#include <stdio.h>

int main() {

char str[100];

int i,len = 0;

printf("Pls Enter Any string : ");

gets(str);

while (str[len] != '\0') {

len++;

}

for (i = 0; i < len / 2; i++) {

char tmp = str[i];

str[i] = str[len - i - 1];

str[len - i - 1] = tmp;

}

printf("The reversed string is: %s\n", str);

return 0;

}

Output:-

