

STRING FUNCTIONS

① strlen()

② strcpy() : Copies one string to another

Syntax: strcpy(dest, src);

int main()

{ char arr[10], brr[10];
arr

0	1	2	3	4	5	6	7	8	9
'H'	'E'	'L'	'L'	'O'	'I'				

printf("Enter a string:");

gets(arr);

0	1	2	3	4	5	6	7	8	9
'H'	'E'	'L'	'L'	'O'	'I'				

X brr = arr;
✓ strcpy(brr, arr);
printf(". / s", brr);
return 0;

✓ brr[0] = arr[0];
⋮

Initializing A Character Array

1.

```
char city[10];  
city="Bhopal"; // ERROR
```
2.

```
char city[10];  
city[0]='B';  
city[1]='h';  
city[2]='o';  
city[3]='p';  
city[4]='a';  
city[5]='l';  
city[6]='\0';
```
3.

```
char city[10]="Bhopal";
```
4.

```
char city[10]=  
{'B','h','o','p','a','l','\0'};
```
5.

```
char city[ ]=  
{'B','h','o','p','a','l','\0'};
```
6.

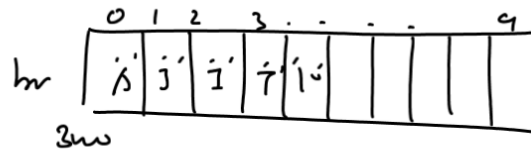
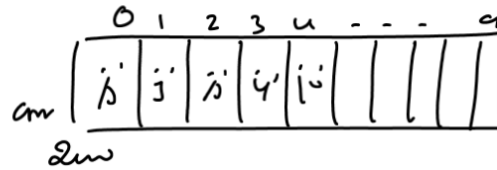
```
char city[10];  
strcpy(city,"Bhopal");
```

3. strcat(): String Concatenation

```
#include <stdio.h>  
#include <string.h>  
int main()  
{  
    char arr[10],brr[10];  
    printf("Enter first string:");  
    scanf("%s",arr);  
    printf("Enter secnd string:");  
    scanf("%s",brr);  
    strcat(arr," ");  
    strcat(arr,brr);  
    printf("%s",arr);  
  
    return 0;  
}
```

4. strcmp():String Comparison

```
#include <stdio.h>
#include <string.h>
int main()
{
    char arr[10],brr[10];
    int x;
    printf("Enter first string:");
    scanf("%s",arr);
    printf("Enter secnd string:");
    scanf("%s",brr);
    x=strcmp(arr,brr);
    if(x==0)
        printf("Strings are eq");
    else
        printf("Strings are not eq");
    return 0;
}
```



strcmp(str1,str2);

x = strcmp("ajay", "ajit");
 ↓
 (-1)

x = strcmp("ajay", "ajay");
 ↓
 (0)

x = strcmp ("Romin", "Rom");

①

x = strcmp ("Rom", "Rom");

↓

②