

Strings In C-C Tutorial In Hindi #34.mp4 - VLC media player

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## IS STRING A DATA TYPE IN C?

*char name[7];*

*name = "Harry";*  
*city = "Delhi";*

- ✓ No
- ✓ We have char, int, float and other data types but no 'string' data type in C
- ✓ String is not a supported data type in C but it is a very useful concept used to model real world entities like name, city etc.
- ✓ We express strings using an array of characters terminated by a null character ('\0'). *(len + 1)*

h	a	r	r	y	\0	\0	\0
0	1	2	3	4	5	6	7

*"harryare"*  
*X → null*

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## WHAT ARE STRINGS IN C

*'\0'*

- ✓ String: array of characters terminated by NULL character
- ✓ Strings in c is created by creating an array of characters
- ✓ We need an extra character ('\0' or null character) to tell the compiler that the string ends here.

*"harry"* *(6)*

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## CREATING STRINGS IN C

- ✓ We can create a character array in the following ways:
- ✓ Char name[] = "harry"; ✓
- ✓ Char name[] = {'h','a','r','r','y','\0'} ✓

Char name[] = {'c','o','d','e','s','\0'} ✓  
print remaining  
Stop ✓

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## TAKING STRING INPUT FROM THE USER

```
char str[52]; ✓  
gets(str); ✓ → input the string =  
printf("%s", str); ✓  
puts(str); //aliter ✓
```

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