



## Conversion Strings

'C' is a function based programming language. When the user has to perform any task in the program, function is to be used. In a large program several functions can be used. 'C' provides several functions to perform Input/ Output. These input/ output (I/O) functions can be classified into different types. There are some functions that can perform input or output of any type of data but they require the information about the type of data being taken as input or produced as output. Hence in this case Conversion strings are used with such functions that require the information about the type of data being taken as input or produced as output. printf() and scanf() are such functions that require the conversion strings. Conversion string is also known as format string or format specifier.

Conversion String	Purpose
%c	to input/ output character type value
%d	to input/ output decimal integer type value
%e	to input/ output float type value in exponential notation
%E	to input/ output float type value in Exponential notation
%f	to input/ output float value
%g	same as %e
%G	same as %E
%h	to input/ output short integer value
%i	to input integer value
%l	to output long integer value
%li	to input long integer value
%ld	to input/ output long decimal integer value
%lf	to input/ output double type value
%o	to input/ output octal integer value
%p	to output address stored in pointer / of a memory
%s	to input one word string/ output a line of string
%[^\n]	to output a line of string
%u	to input/ output unsigned integer value
%x	to input/ output hexadecimal integer value
%X	to input/ output Hexadecimal integer value