











Special Characters		
\n	New line	
\t	Tab	
\"	Double quote	
\\	The \ character	
\0	The null character	
\'	Single quote	























printf() and scanf	
Include file stdio printf("This is a scanf("%x %d", &x,	.h test %d \n", x); &y);
%с	char
%d	int (decimal)
%f	float
%lf	double
%x	hexadecimal integer
%s	string
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printf() Exampl	es with Strings
printf(":%s:",	<pre>``hello, world");</pre>
printf(":%10s:",	<pre>``hello, world");</pre>
 printf(":%.10s:"	<pre>', "hello, world");</pre>
 printf(``:%-10s:"	<pre>/, "hello, world");</pre>
printf(":%.15s:"	<pre>/, "hello, world");</pre>
printf(":%-15s:"	<pre>/, "hello, world");</pre>
printf(":%15.10s	:", "hello, world");
printf(":%-15.10	<pre>)s:", "hello, world");</pre>
:%s:	:hello, world:
:%10s:	:hello, world:
:%.10s:	:hello, wor:
:%-10s:	:hello, world:
:%.15s:	:hello, world:
:%-15s:	:hello, world :
:%15.10s:	: hello, wor:
:%-15.10s:	:hello, wor :
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Character	Argument type; Printed As
d,i	int; decimal number
0	int; unsigned octal number (without a leading zero)
x,X	int; unsigned hexadecimal number (without a leading 0x or 0X), using abcdef or ABCDEF for 10,,15.
u	int; unsigned decimal number
с	int; single character
s	char $*$; print characters from the string until a '\0' or the number of characters given by the precision.
f	double; [-] m.dddddd, where the number of d's is given by the precision (default 6).
e,E	double; $[-]m.dddddde+/-xx$ or $[-]m.ddddddE+/-xx$, where the number of ds is given by the precision (default 6).
g,G	double; use %e or %E if the exponent is less than -4 or greater than or equal to the precision; otherwise use %f. Trailing zeros and a trailing decimal point are not printed.
р	void *; pointer (implementation-dependent representation).
8	no argument is converted; print a %

 scanf() is the input analog of printf(). To read an integer: int num; scanf("%d", #); # is a pointer to num. 	
 To read an integer: int num; scanf("%d", #); # is a pointer to num. 	
 To read a char and a float: char ch; float fnum; scanf("%c %f", &ch, &fnum); 	



Character	Input Data; Argument type
d	decimal integer; int *
i	integer; int *. The integer may be in octal (leading 0) or hexadecimal (leading 0x or 0X).
0	octal integer (with or without leading zero); int *
u	unsigned decimal integer; unsigned int *
x	hexadecimal integer (with or without leading 0x or 0X); int *
с	characters; char *. The next input characters (default 1) are placed at the indicated spot. The normal skip-over white space is suppressed; to read the next non-white space character, use %1s
3	character string (not quoted); char *, pointing to an array of characters long enough for the string and a terminating '\0' that will be added.
e,f,g	floating-point number with optional sign, optional decimal point and optional exponent; float $*$
2	literal %; no assignment is made.



