



## Format placeholders

## Syntax:

%[flags][width][.precision][length]type

%[-|+|(space)|#|0][(number)|\*][.(number)|\*]

[h|i|L]type

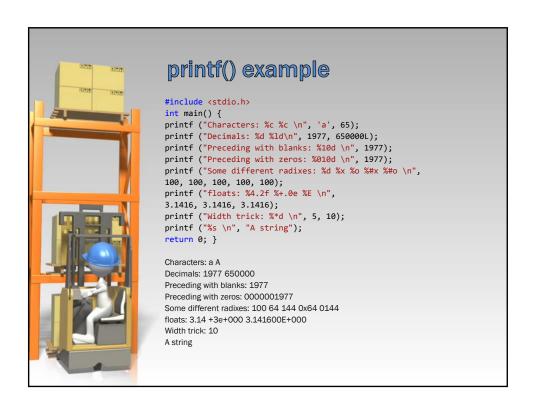
## Flags: (optional)

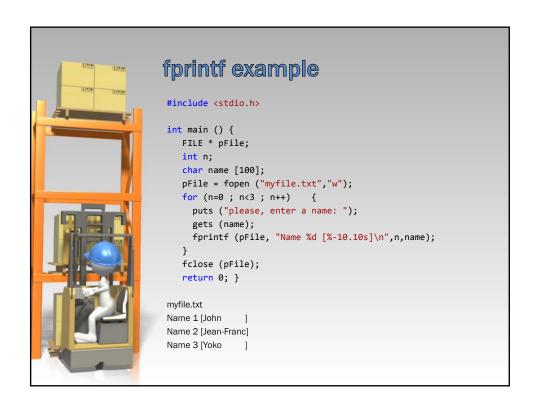
- -: the result of the conversion is left-justified within the field
- +: the sign of signed conversions is always prepended to the result

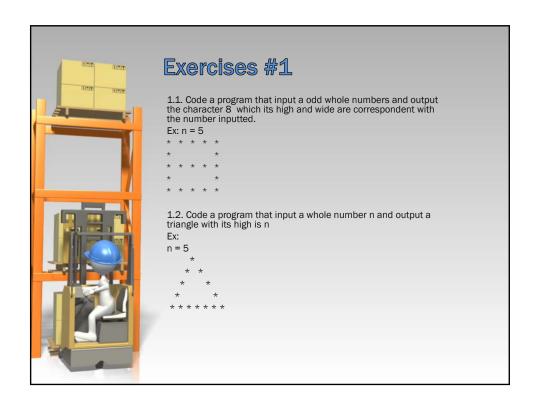
(space): If no sign is going to be written, a blank space is inserted before the value.

- #: alternative form of the conversion is performed\_ "0x".
- $\bf 0$  : for integer and floating point number conversions, leading zeros are used to pad the field instead of  $\it space$  characters.

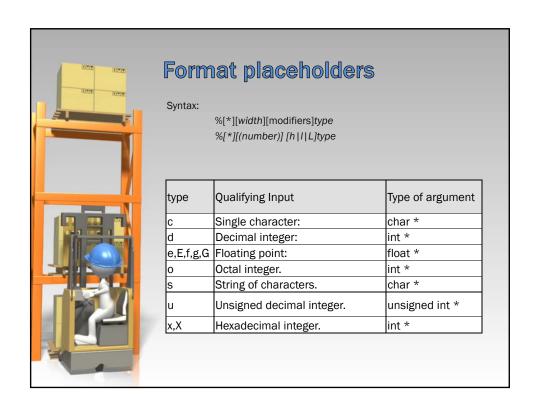
type	Output	Example
c	Character	а
d or i	Signed decimal integer	392
e	Scientific notation (mantise/exponent) using e character	3.9265e+
E	Scientific notation (mantise/exponent) using E character	3.9265E+
f	Decimal floating point	392.65
g	Use the shorter of %e or %f	392.65
G	Use the shorter of %E or %f	392.65
0	Unsigned octal	610
s	String of characters	sample
u	Unsigned decimal integer	7235
x	Unsigned hexadecimal integer	7fa
x	Unsigned hexadecimal integer (capital letters)	7FA
р	Pointer address	B800:000
n	Nothing printed. The argument must be a pointer to a signed int, where the number of characters written so far is stored.	
%	A % followed by another % character will write % to stdout.	%

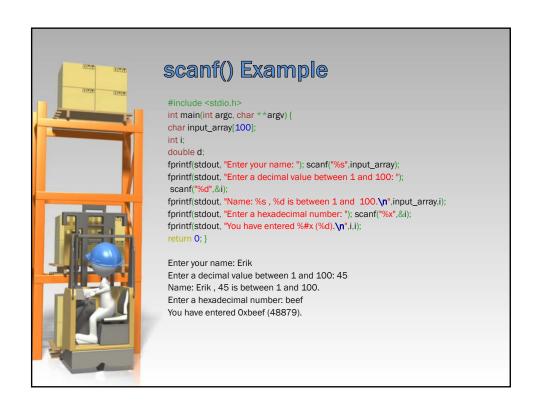












```
Analyzing Strings with sscanf

float f;
int i,a[10];
char s1[25],s2[25];
char the_string[] = "foo -3.6 fum dum 17";
sscanf("foo 1 2 3 fum", "%s %d %d %s", s1, &a[0], &a[1],
&a[2], s2);

sscanf("foo", "f%s", s1);
sscanf("4711bar", "%d%2s", a, s1);
sscanf("deare the World!", "%s", s1);
sscanf(stdin, "%s", s1);
sscanf(stdin, "%[^\n]s", s1);
sscanf("12", "%D", i);
sscanf("014", "%D", i);
sscanf("0xc", "%D", i);
```

