C scanf() Cheat Sheet

Read Integer
int a; scanf("%d", &a;);

Read Unsigned
unsigned int x; scanf("%u", &x;);

Read Character
char c; scanf(" %c", &c;); // space before %c to ignore newline

Read String
char str[50]; scanf("%s", str); // stops at space

Read Float/Double
float f; double d; scanf("%f %lf", &f;, &d;);

Read Octal & Hex
int o, h; scanf("%o %x", &o;, &h;);

Read Multiple Values
int a, b; scanf("%d %d", &a;, &b;);

Read Long Types
long l; long long ll; scanf("%ld %lld", &l;, ■);

Read with Width
char str[5]; scanf("%4s", str); // max 4 chars + null

Suppress Assignment
int a; scanf("%*d %d", &a;); // skip first int

Common scanf() Format Specifiers

Specifier	Description
%d / %i	Integer (decimal)
%u	Unsigned int
%f	Float
%lf	Double
%c	Character
%s	String (no spaces)
%o	Octal
%x / %X	Hexadecimal
%ld / %lld	Long / Long long
%p	Pointer (address)