C printf() Cheat Sheet

Print Strings
printf("Hello, World!\n");

Print Integers
int a = 10; printf("Value = %d\n", a);

Print Unsigned
unsigned int x = 25; printf("Unsigned = %u\n", x);

Print Characters
char c = 'A'; printf("Character = %c\n", c);

Print Floating
float f = 3.14159; printf("Float = %f\n", f); printf("2 decimals = %.2f\n", f);

Scientific Notation
double num = 12345.6789; printf("%e %E\n", num, num);

Print Strings
char name[] = "Ashfaque"; printf("Name = %s\n", name);

Print Pointers
int a = 10; printf("Address = %p\n", &a;);

Width & Alignment
int x = 7; printf("%5d\n", x); printf("%-5d!\n", x);

Escape Sequences
printf("New line\n"); printf("Tab\tSpace\n"); printf("Backslash: \\\n");

Common Format Specifiers

Specifier	Description
%d / %i	Integer
%u	Unsigned int
%f / %lf	Float / Double
%c	Character
%s	String
%p	Pointer (address)
%o	Octal
%x / %X	Hexadecimal
%e / %E	Scientific notation
%g / %G	Shortest representation of float