std::cout Cheat Sheet

The C++ std::cout, from the iostream library, prints text to the console.

Basic usage	

`#include <iostream>`
`int main() { std::cout << "Hello";`
`  return 0; }`
	Print "Hello" to console

`cout.setf()`	Set **cout** flags
`cout << setiosflags(mask)`	Set specified **cout** flags
`cout << resetiosflags(mask)`	Clear specified **cout** flags

Integers		
dec	`int myInt = 123;` `cout << "Decimal: " << myInt << endl;`	Print integer as decimal
hex	`cout.setf(ios::hex,ios::basefield);` `cout << "hex:" << myInt << endl;`	Print integer as hexadecimal
oct	`cout.setf(ios::oct,ios::basefield);` `cout << "octal:" << myInt << endl;`	Print integer as octal
`cout<< std::hex<< std::showbase<< 13 << '\n';`		Print "0xd" to console
`cout<<std::hex<< std::noshowbase<< 13 <<'\n';`		Print "d" to console
`std::showpoint`	`std::noshowpoint`	Print "13.0" or "13" to console
`std::showpos`	`std::noshowpos`	Print "+13" or "13" to console

Locale	
`locale("de_DE.UTF-8")`	Set locale to **de_DE.UTF-8**
`cout.imbue(locale)`	Set locale

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Locale formats	
`put_money(mon,intl)`	**mon:** (*long double* or *string)* amount in cents **intl:** (*bool)* add currency symbols (**true**) or not (**false**)
`put_time(tm,fmt)`	**tm:** (*const std::tm**) pointer to tm struct of date and time **fmt:** (*const CharT**) format specifier
`scientific`	Set scientific format
`defaultfloat`	Set default format

Floats	
`set precision(n)`	Set precision to **n** decimal places
`fixed`	Set fixed format (default)
`scientific`	Set scientific format
`defaultfloat`	Set default format

Justification		
`cout << left`	`cout << right`	Set left or right justification
`cout << setfill('.')`		Set fill character

Boolean	
`boolalpha`	Output Boolean value as a string