

### <iomanip>

`setiosflags` Sets the format flags specified by parameter mask. Basically, the input is a bunch of format flags binary or'd together.

```
std::cout <<
std::setiosflags
(std::ios::showbase |
std::ios::uppercase);
```

`resetiosflags` Unsets the format flags specified by parameter mask.

```
std::cout <<
std::resetiosflags
(std::ios::showbase |
std::ios::uppercase);
```

`setprecision` Sets the decimal precision to be used to format floating-point values on output operations.

```
std::cout <<
std::setprecision
(5);
```

`setw` Behaves as if member `width` were called with `n` as argument on the stream on which it is inserted/extracted as a manipulator.

```
std::cout <<
std::setw(5) <<
"12345";
```

`setfill` Sets `c` as the stream's fill character.

```
std::cout <<
std::setfill('x') <<
"12345";
```

`get_money` Extracts characters from the input stream it is applied to, and interprets them as a monetary expression, which is stored as the value of `mon`.

```
std::cin >>
std::get_money(mon);
```

`put_money` Inserts the representation of `mon` as a monetary value into the output stream it is applied to.

```
std::cout <<
std::put_money(mon);
```

### <iomanip> (cont)

`get_time` Extracts characters from the input stream it is applied to, and interprets them as time and date information as specified in argument `fmt`. The obtained data is stored at the struct `tm` object pointed by `tmb`.

```
std::cin >>
std::get_time(tmb,
fmt);
```

`put_time` Inserts the representation of the time and date information pointed by `tmb`, formatting it as specified by argument `fmt`.

```
std::cout <<
std::put_time(tmb,
fmt);
```

The return value for each of the above is unspecified, and they should only be used as stream manipulators.

### Money Manipulators

```
#include <iostream> // std::cin,
std::cout
#include <iomanip> //
std::get_money
int main ()
{
    long double price;
    std::cout << "Please, enter the
price: ";
    std::cin >>
std::get_money(price);
    if (std::cin.fail()) std::cout <<
"Error reading price\n";
    else std::cout << "The price
entered is: " << price << '\n';
    return 0;
}
```

The