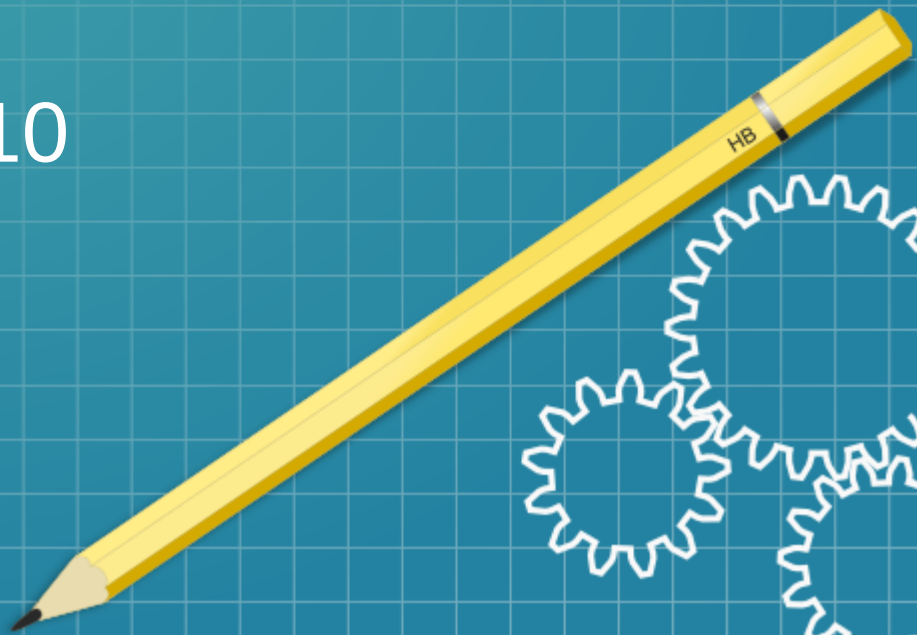
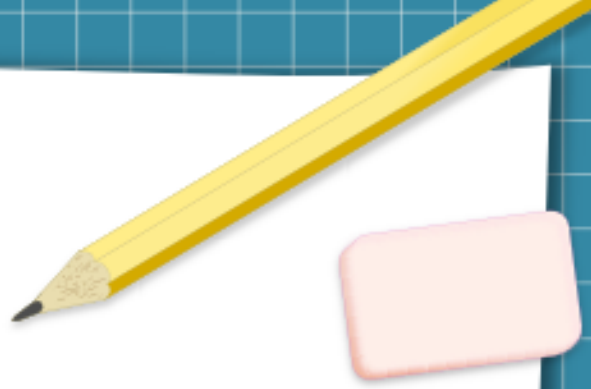
Operator overloading
Class `string`
(part 1)

Chapter 10



Today we will



- Continue working on the `Date class`

grab the files Date.h and Date.cpp from our web-site

Operator Overloading

To refresh our memory: each object of `class Date` represents a date (month-day-year).

We announced the following methods:

- display the date
- increment a date
- add a number of days to the date
- check if the year is a leap year
- … anything else that come during the development

So far, we defined the constructor only and talked about the *prefix* and *postfix* form of increment operator.

HW assignment

1) Recall the class Complex we used in class. Use the header and the implementation file to do the following:

(a) overload the *output stream operator* to display the complex number object (and remove the `toString()` member method)

(b) overload the `operator+=` to add two complex numbers (do it as member method)

```
Complex& operator+=(const Complex& other)
const;
```

and remove the `Complex add(Complex other) const;` method

(c) do the same for subtraction, multiplication and division:

```
Complex& operator-=(const Complex& other)
const;
Complex& operator*=(const Complex& other)
const;
Complex& operator/=(const Complex& other)
const;
```

HW assignment

Suggested exercises
(*not for grade, but the questions related to these will appear on a quiz or a test*):
1) Chapter 10, Summary and all Self-Review Exercises