

CS 216

Lecture 13

March 31st, 2014

Administrivia

PA3 Questions

Templated classes

Copy constructors

Operator overloading

```
mt19937 mt;  
mt.seed( time(NULL) );  
  
int iRandom = mt();
```

(almost)

Everything is an
expression


```
a << b;
```

Without an overload,
 << is the left shift
operator, and works on
 ints.

But the use you're
more used to is the
insertion operator...

... which is
overloaded by
<iostream> classes

Overloading an
operator lets *you*
decide what it does.

There are a bunch
of overloadable
operators.

+ - * / % ^ & |
~ ! = < > += -= *= /=
%= ^= &= |= << >> <<=
>>= == != <= >= && ||
++ -- , ->* -> () []
new delete new[]
delete[]

+ - * / % ^ & |

~ ! = < > += -= *= /=

%= ^= &= |= << >> <<=

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new delete new[]

delete[]