

Review for Test #2

- Test #2: next Monday (Nov. 3)
- Test #2: Chapter 9, 10, 11.
- Major Topics:
 - Ch 9: Class/Object, UML, constructor, access operator (.), get/set, public/default/private, “new”, “this.”, “static”,
 - Ch 10: thinking in objects, wrapper classes,
 - Ch 11: inheritance, polymorphism, extends, super, toString(), equals(), protected, final, override/overload, dynamic binding, generic programming, casting, instanceof

Instanceof

```
class Main {  
    public static void main(String[] args) {  
        Main m = new Main();  
        System.out.println(m instanceof Main);  
        System.out.println(m instanceof Object);  
    }  
}
```

casting

- Implicit vs explicit

```
class X{
    int a;
}
class Y extends X{
    int b;
}
```

```
class Main {
    public static void main(String[] args) {
        X m = new Y();
        if (m instanceof Y){
            System.out.println(m instanceof Y);
            Y n = (Y) m;
        }
    }
}
```

generic programming

dynamic binding

Any other topic(s)?

- Test #2 next Monday(Nov. 3)
- Next class: chapter 12.