

CIS 27P

Class 5

```
class SuperClass
{
    public void whichMethod()
    {
        System.out.println("in SuperClass");
    }
}
class SubClass extends SuperClass
{
    public void whichMethod()
    {
        System.out.println("in SubClass");
    }
    public static void main ( String [] args )
    {
        SuperClass superC = new SuperClass();
        superC.whichMethod();

        SubClass subC = new SubClass();
        subC.whichMethod();

        superC = subC;
        superC.whichMethod();

        ((SuperClass) superC).whichMethod();
        ((SuperClass) subC).whichMethod();

    }
}
```

Midterm Review

- Byte code
- Virtual Machine
- Object Oriented Design
 - Abstraction
 - Encapsulation
 - Inheritance
 - Polymorphism
- Class structure
- Variables
- Primitive types
- String class

Midterm Review

- Arrays
- Operators
- Loops
- Conditionals
- Classes
- Objects
- Instance variables
- Methods
- Access Control

Midterm Review

- Inheritance
- static
- final
- abstract
- Constructors
- Exceptions

Midterm Format

- Most problems similar to class exercises and homeworks.
- Some problems asking for expected output from given code.