

Homework 2

CSC 1351, Spring 2006

Due: 2 March 2006

1. Solve the following exercises in the textbook (2nd edition):

R12.6, R12.8, R12.10, R13.4, R13.12, R13.14, R13.16.

For the questions from Chapter 12, I recommend that you look up the details in the Java library documentation.

2. Given the following Java code fragments

```
class C {
    public int foo(C p) { return 1; }
}

class D extends C {
    public int foo(C p) { return 2; }
    public int foo(D p) { return 3; }
}

// ...

C p = new C();
C q = new D();
D r = new D();

int i = p.foo(r);
int j = q.foo(q);
int k = q.foo(r);
```

Which methods get called in the three calls, i.e., what are the values of *i*, *j*, and *k*? The behavior might surprise you, so you might want to run the code.