

Java code example with inheritance and overriding

```
class A {  
    int x;  
    int y;  
    A() { x=1; y=2; }  
    int f() { return x+y; }  
}
```

```
class B extends A {  
    int z;  
    B() { z=3; }  
    int f() { return x; }  
    int g() { return x+z; }  
}
```

```
class C extends A {  
    int w;  
    C() { w=4; }  
    int h() { return x*w; }  
}
```