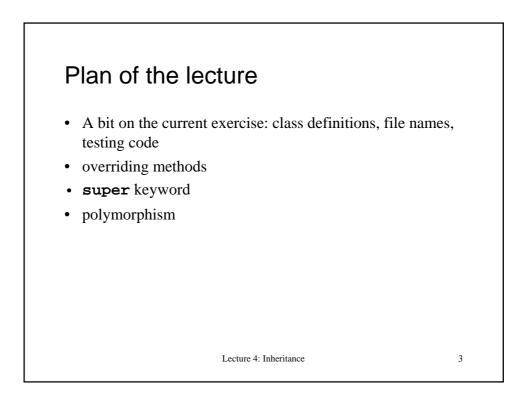
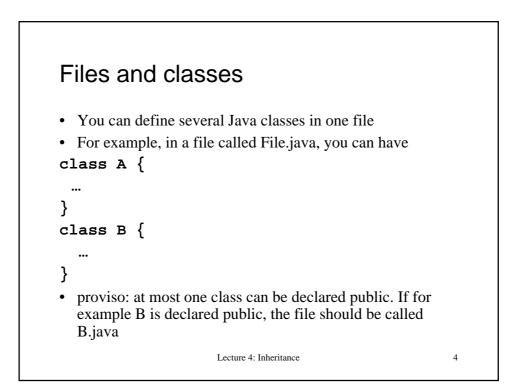
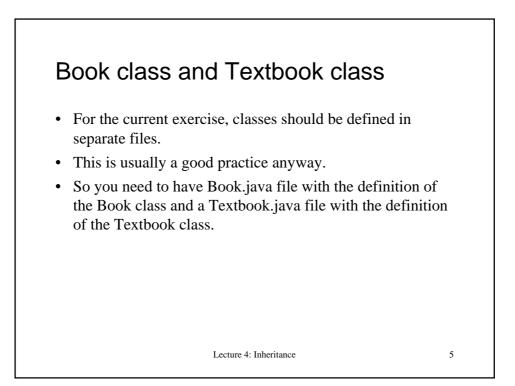
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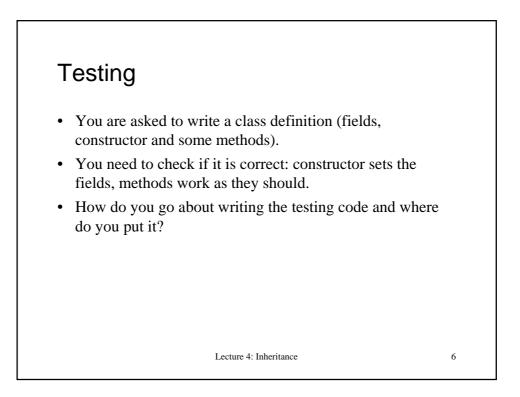
Natasha Alechina School of Computer Science & IT nza@cs.nott.ac.uk

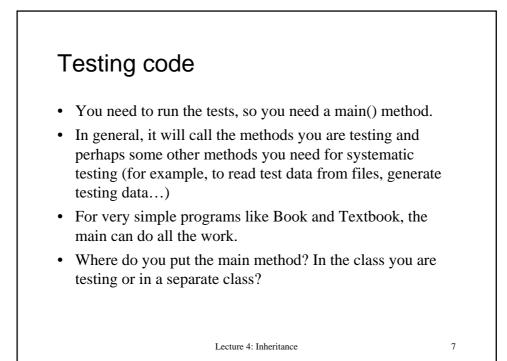
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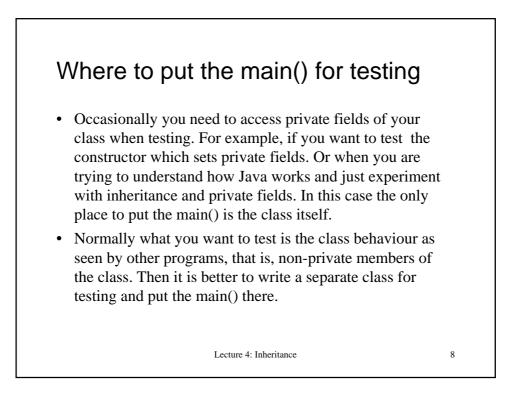


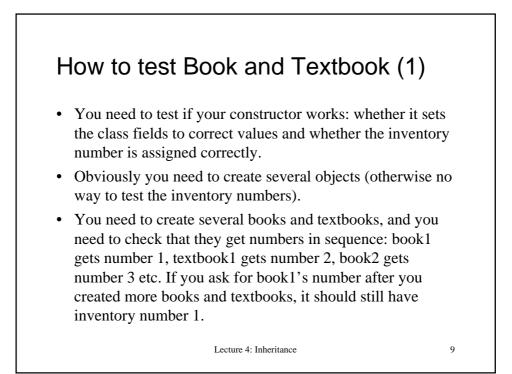


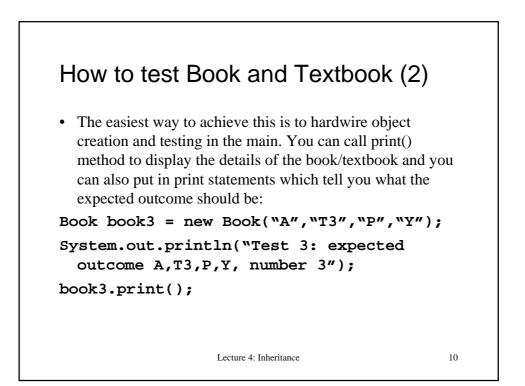


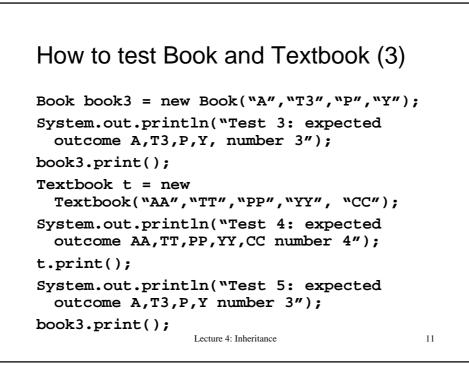


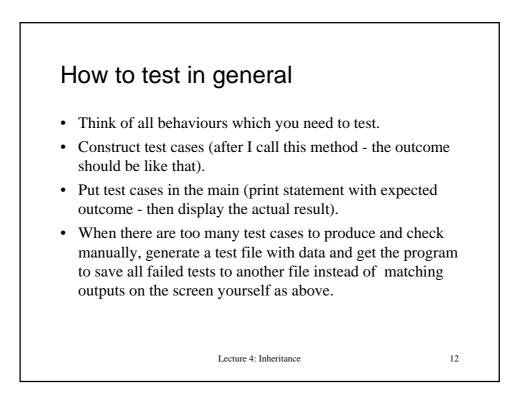


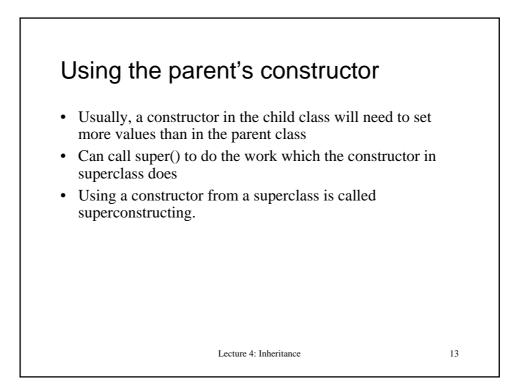


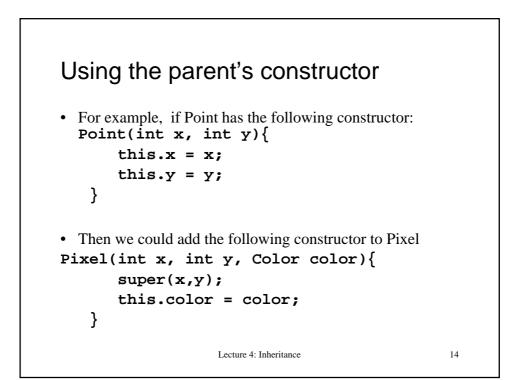


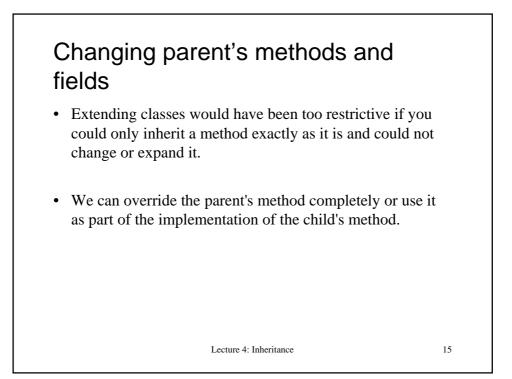




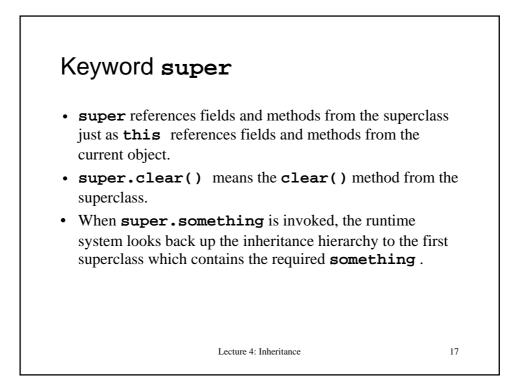


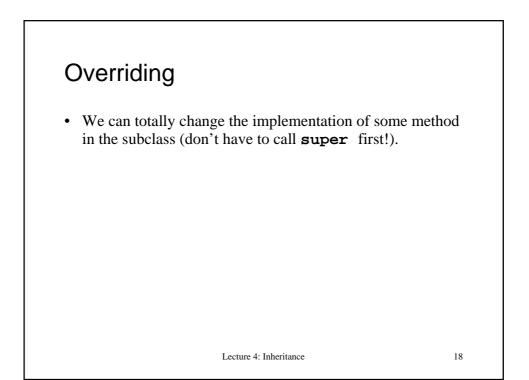


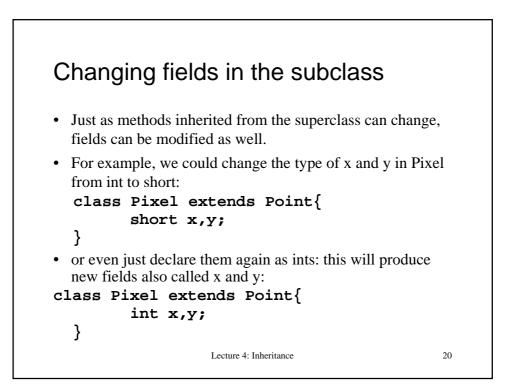


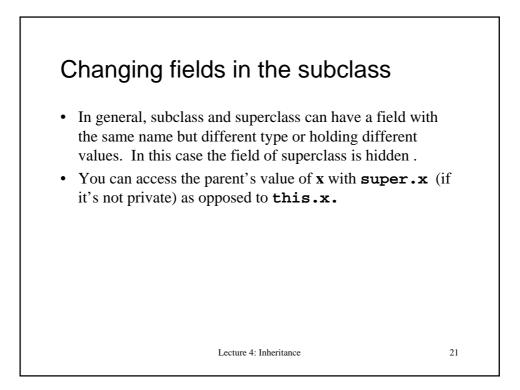


```
Points and Pixels again
class Point {
   public int x,y;
   public void clear() {
      this.x = 0;
      this.y = 0;
   }
}
class Pixel extends Point {
   Color color;
   public void clear() {
      super.clear();
      color = null;
   }
}
                                             16
                  Lecture 4: Inheritance
```

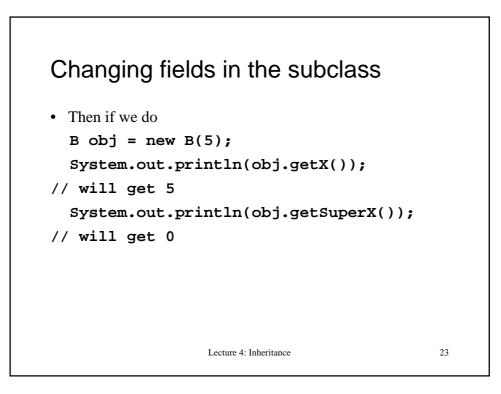


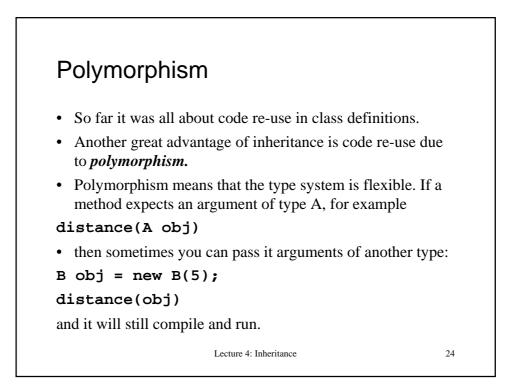


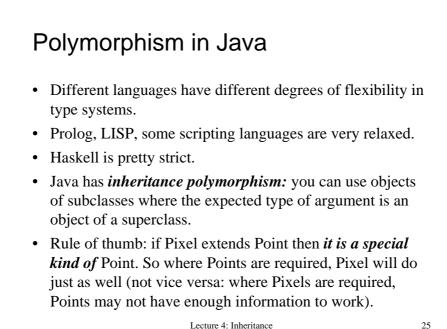




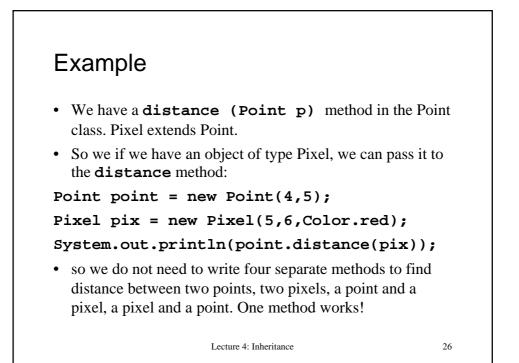
Changing fields in the subclass . For example: class A { int x = 0; } class B extends A { int x; public B(int a) {this.x = a;} public int getX() {return this.x;} public int getSuperX(){return super.x;} }

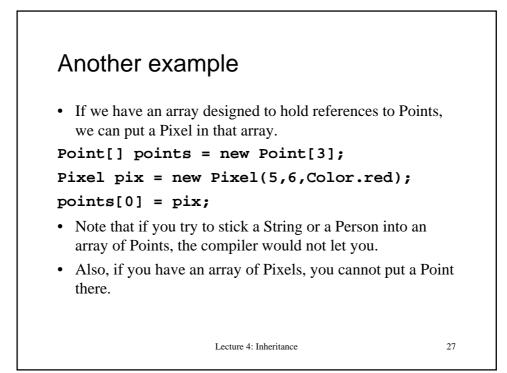


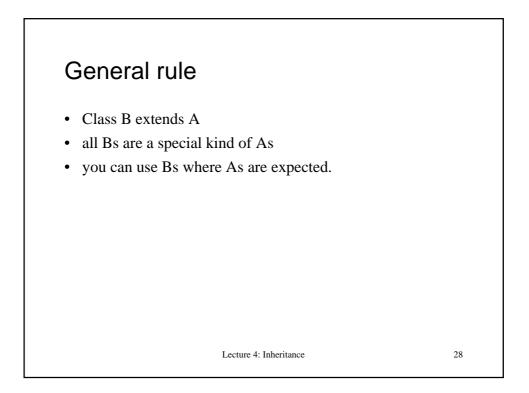












Further reading

• Sun Java tutorial:

http://java.sun.com/docs/books/tutorial/java/javaOO/index.ht ml

Lecture 4: Inheritance

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