

CS 205

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(1)

Polymorphism and Interface Types

Polymorphism - the ability to treat objects of different types as if they were the same type.

One way to achieve this is by
Interface types

- Refer to class diagram and Java 8 documentation for Shape Interface

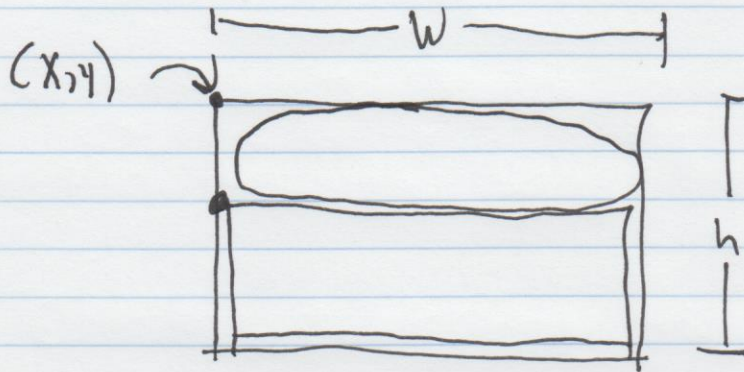
Downloading and importing Lab2Starter

Creating Compound Shape and Compound Shape Path Iterator classes

Adding Compound Shape to the Basic Shape Frame Test

2

Designing a Compound Shape



Constructor:

stores x, y, w, h - needed by `getBounds`

creates 2 or more "simple" shapes and adds them to list

"Casting" a double to int:

`(int) X`

`getPathIterator` -

`return new CompoundShapePathIterator(list, ...);`