

**Lecture**

# **Inheritance**

## **Methods**



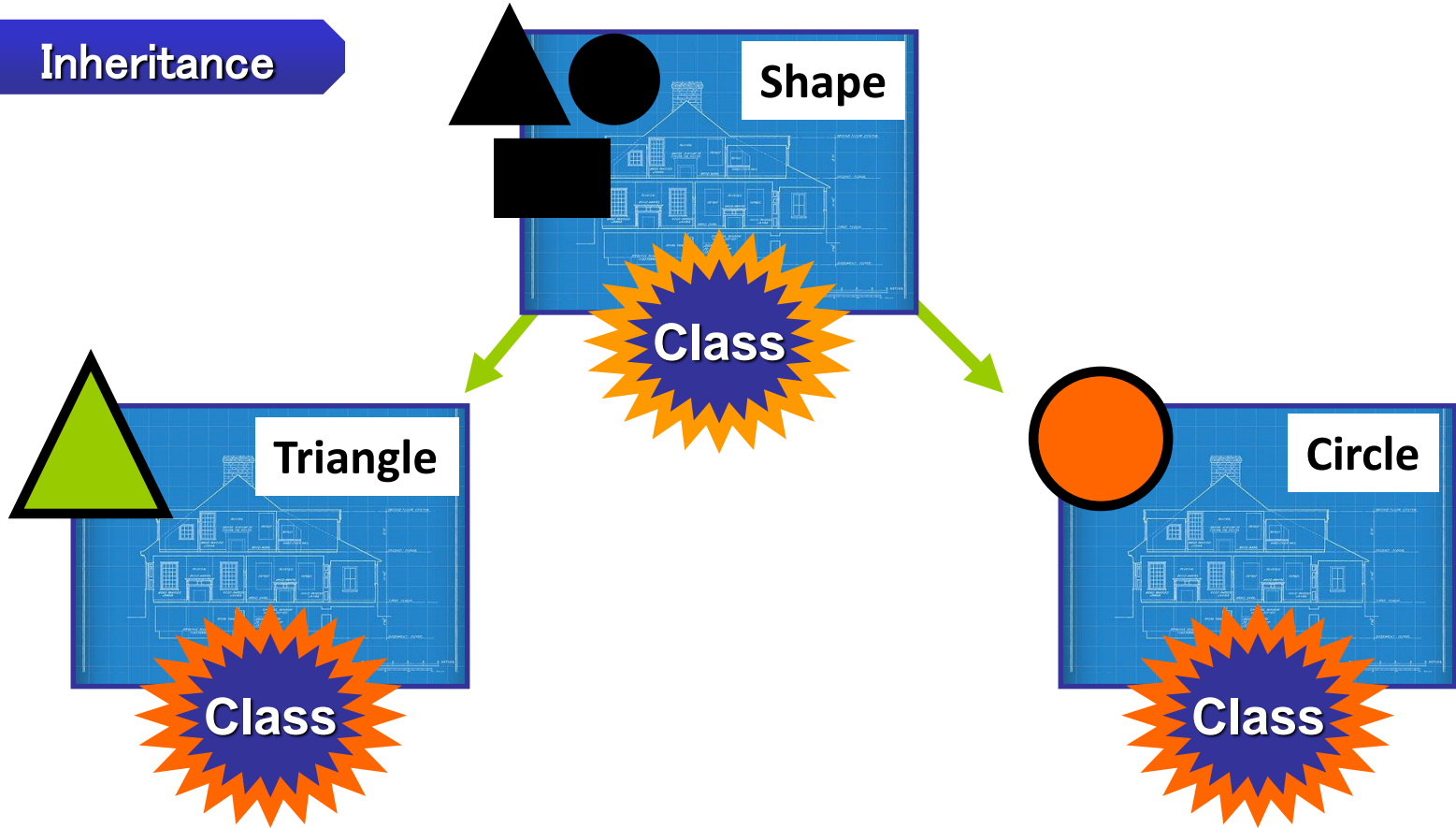


Inheritance

# Common Functionality

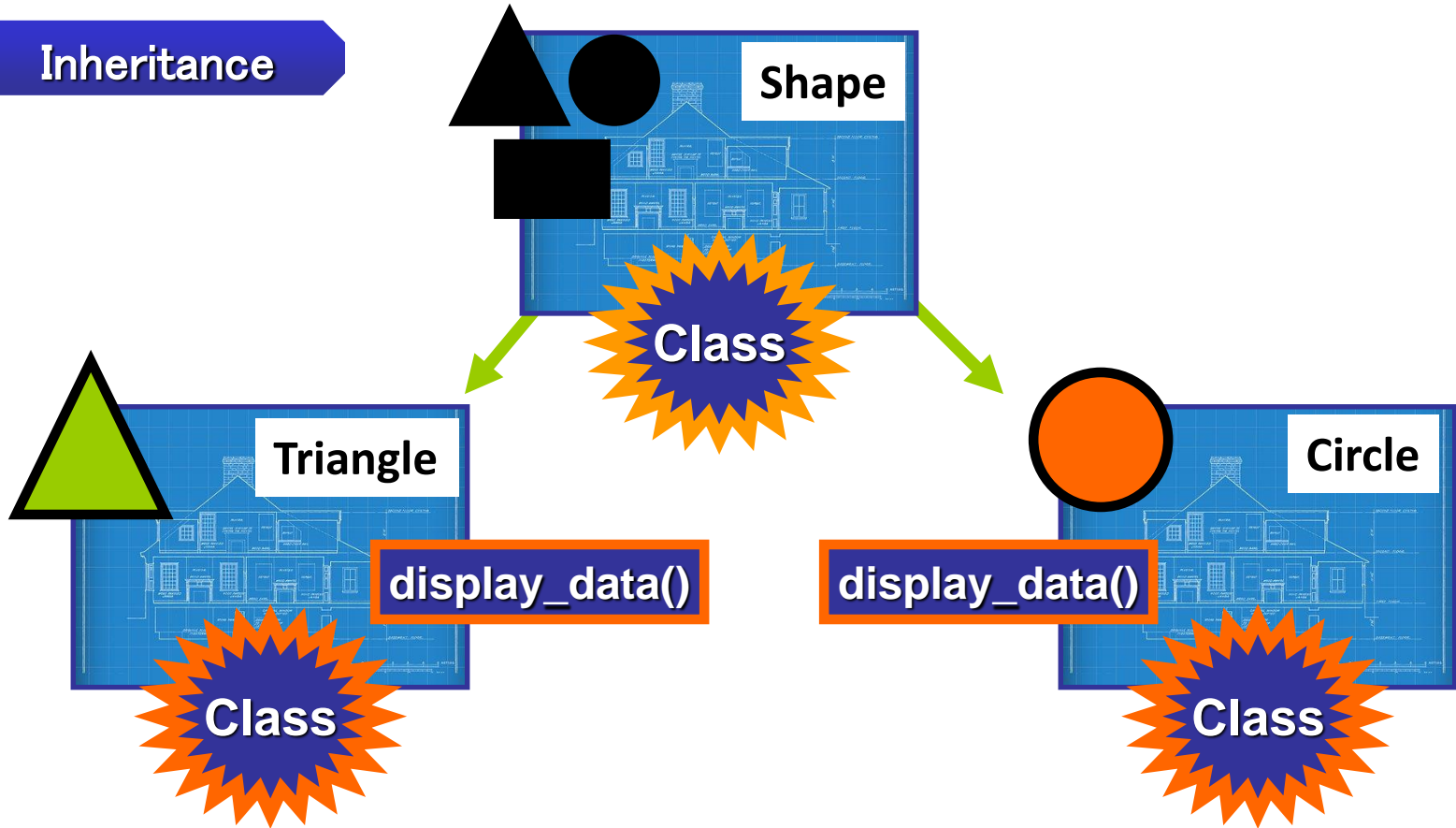


# Inheritance



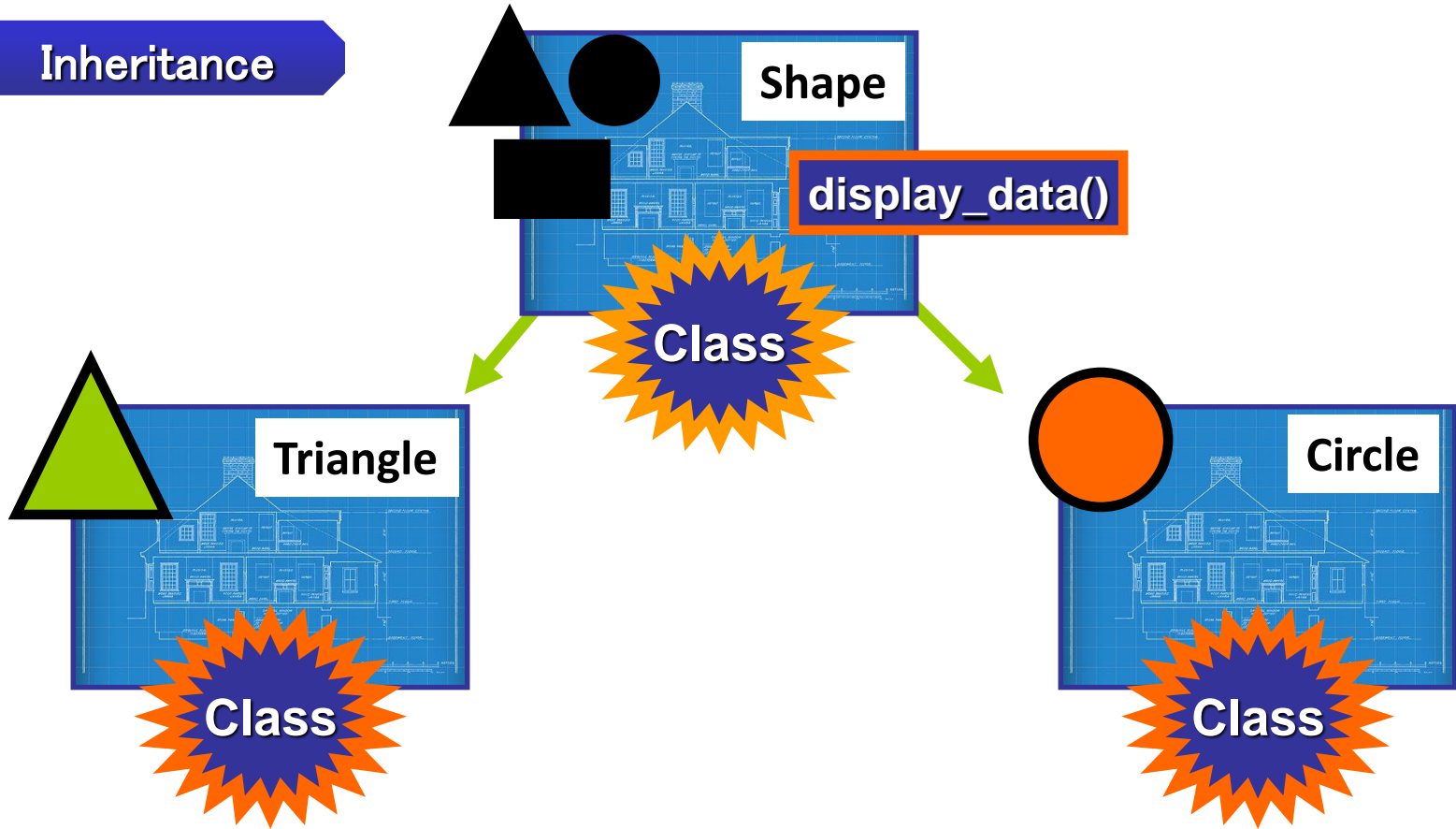


# Inheritance





## Inheritance





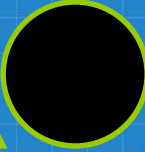
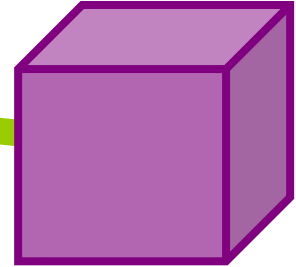
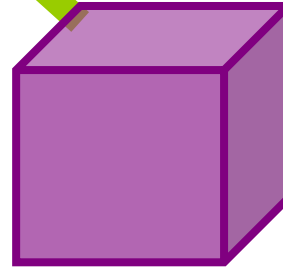
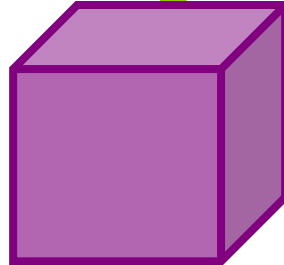
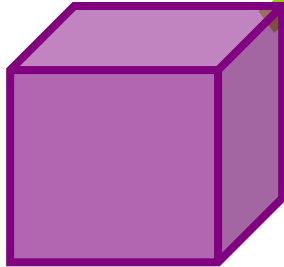
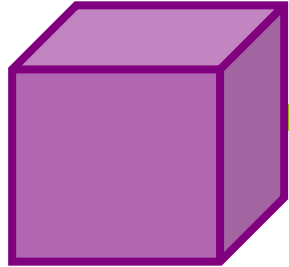
## Inheritance

All the instances  
Of shape have access  
to method

# Shape

method1()

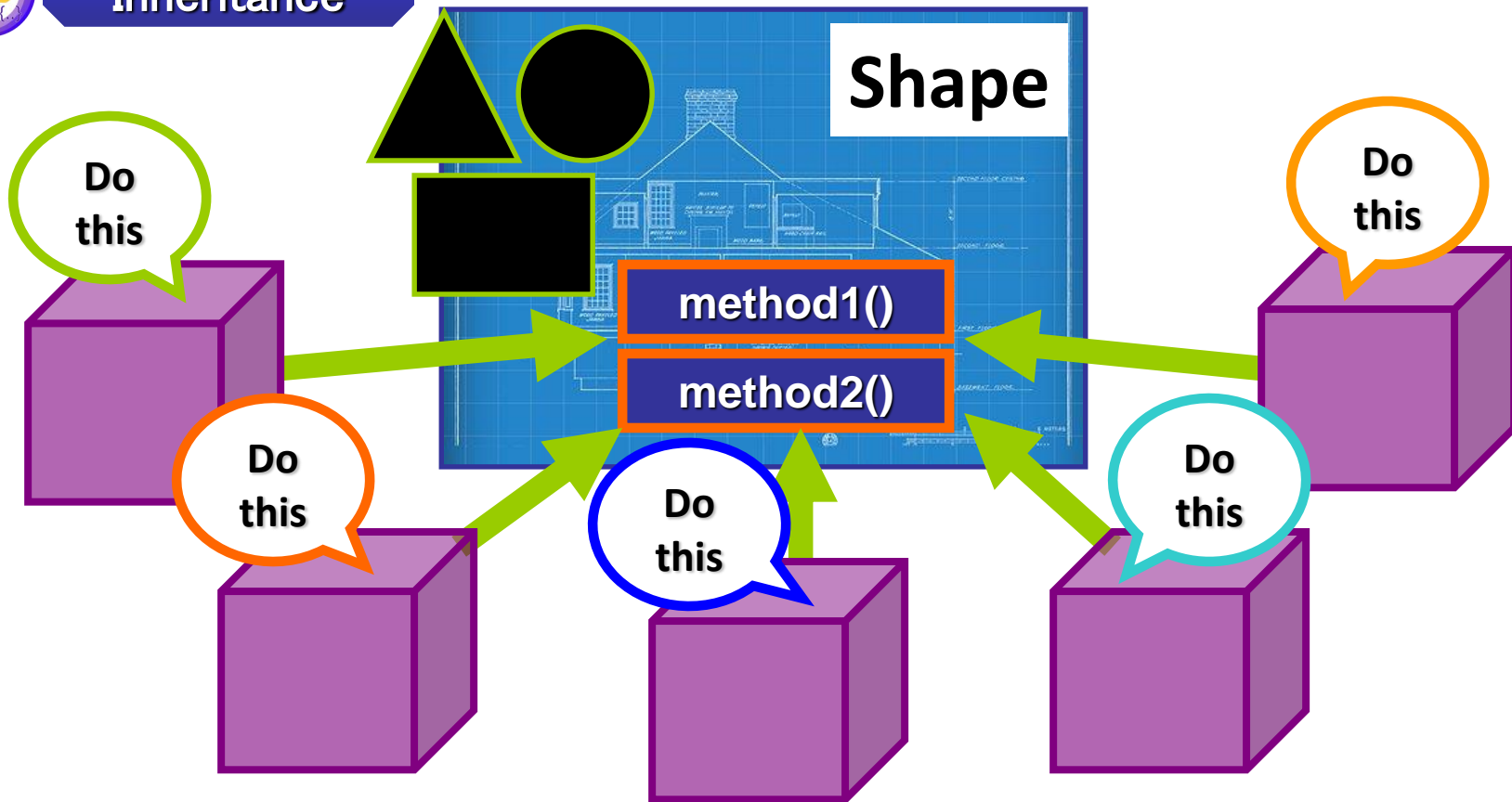
method2()





## Inheritance

Shape

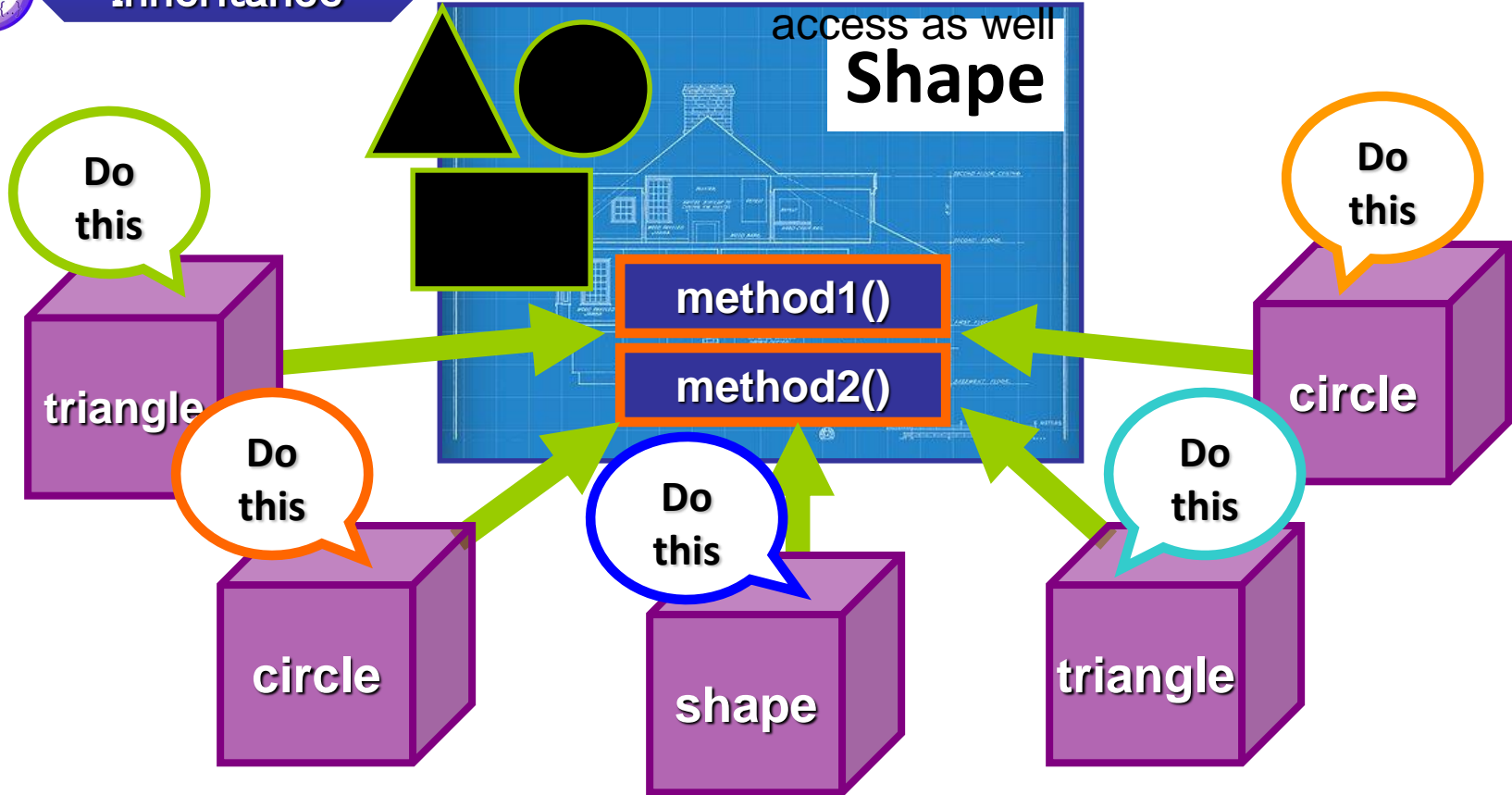




## Inheritance

But now the instances of the subclass have access as well

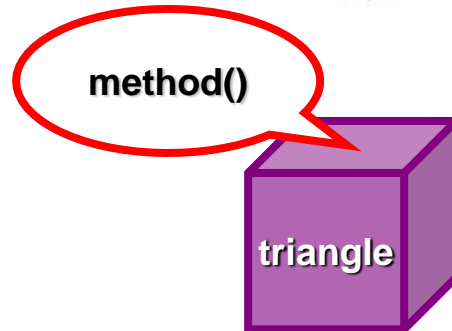
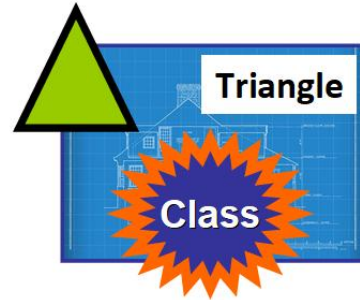
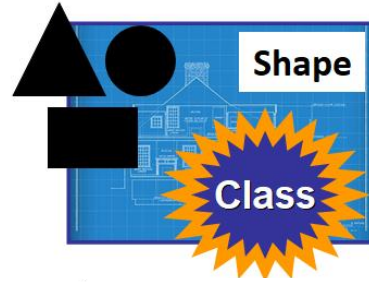
**Shape**





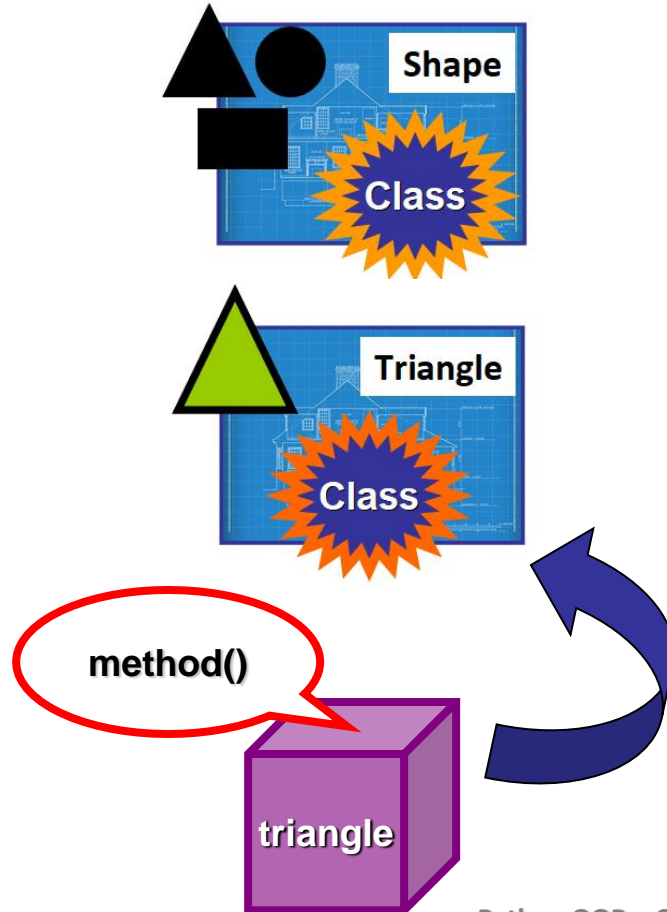


# Inheritance



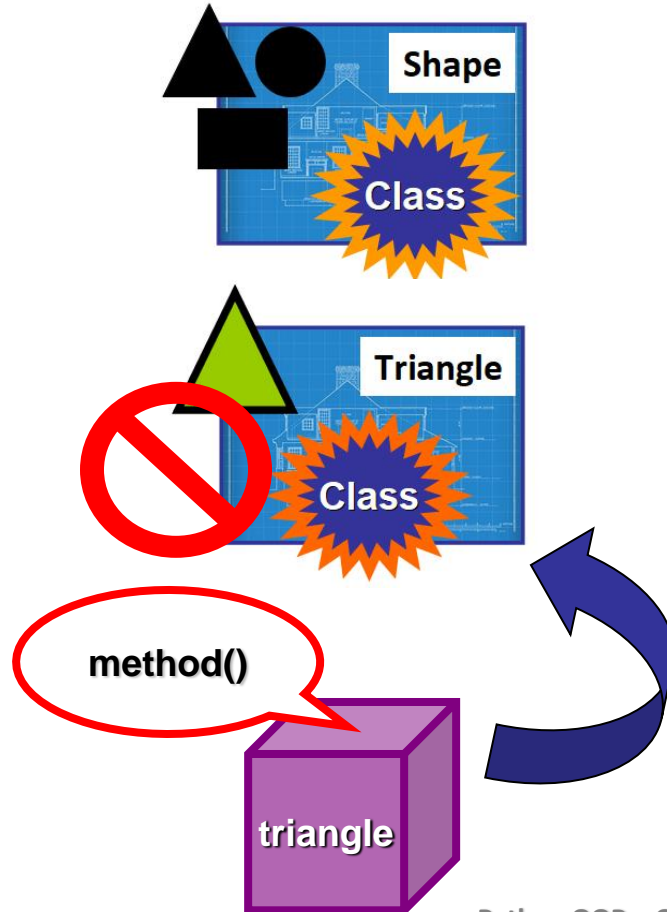


# Inheritance



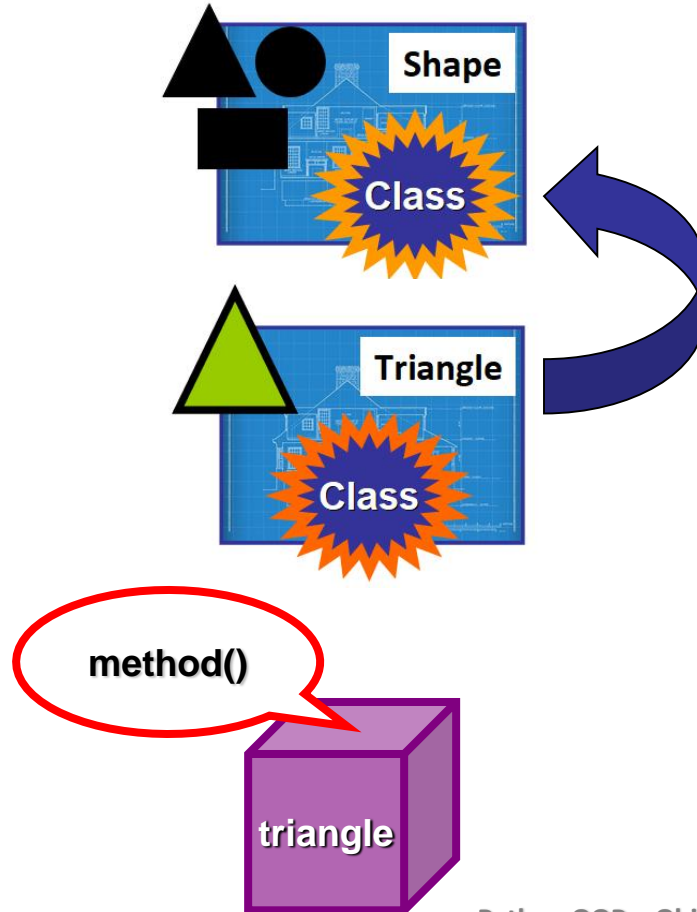


# Inheritance



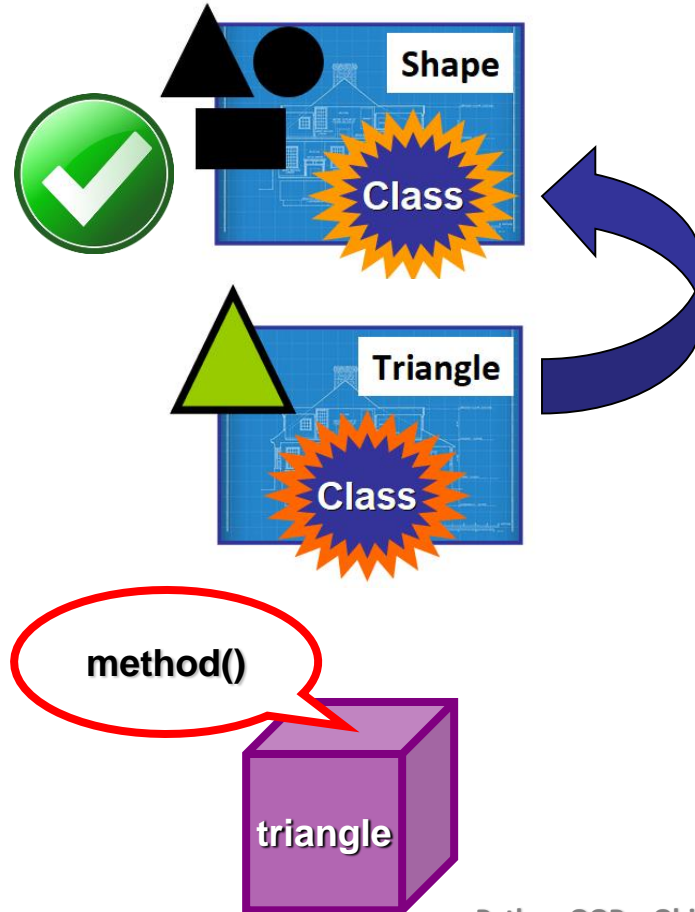


# Inheritance



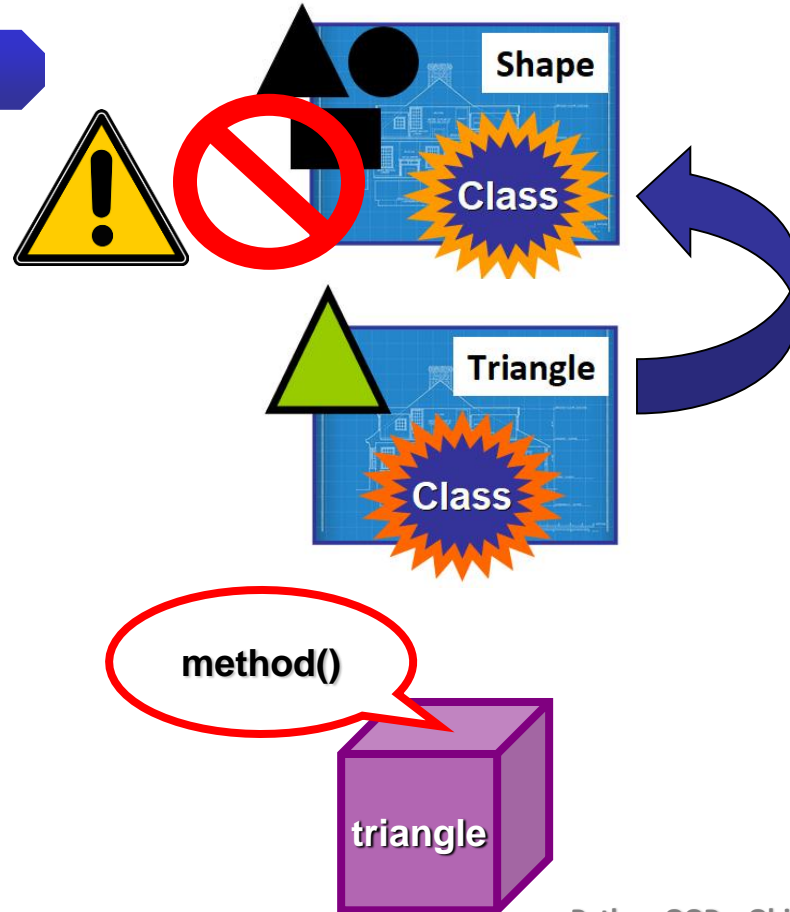


# Inheritance





# Inheritance



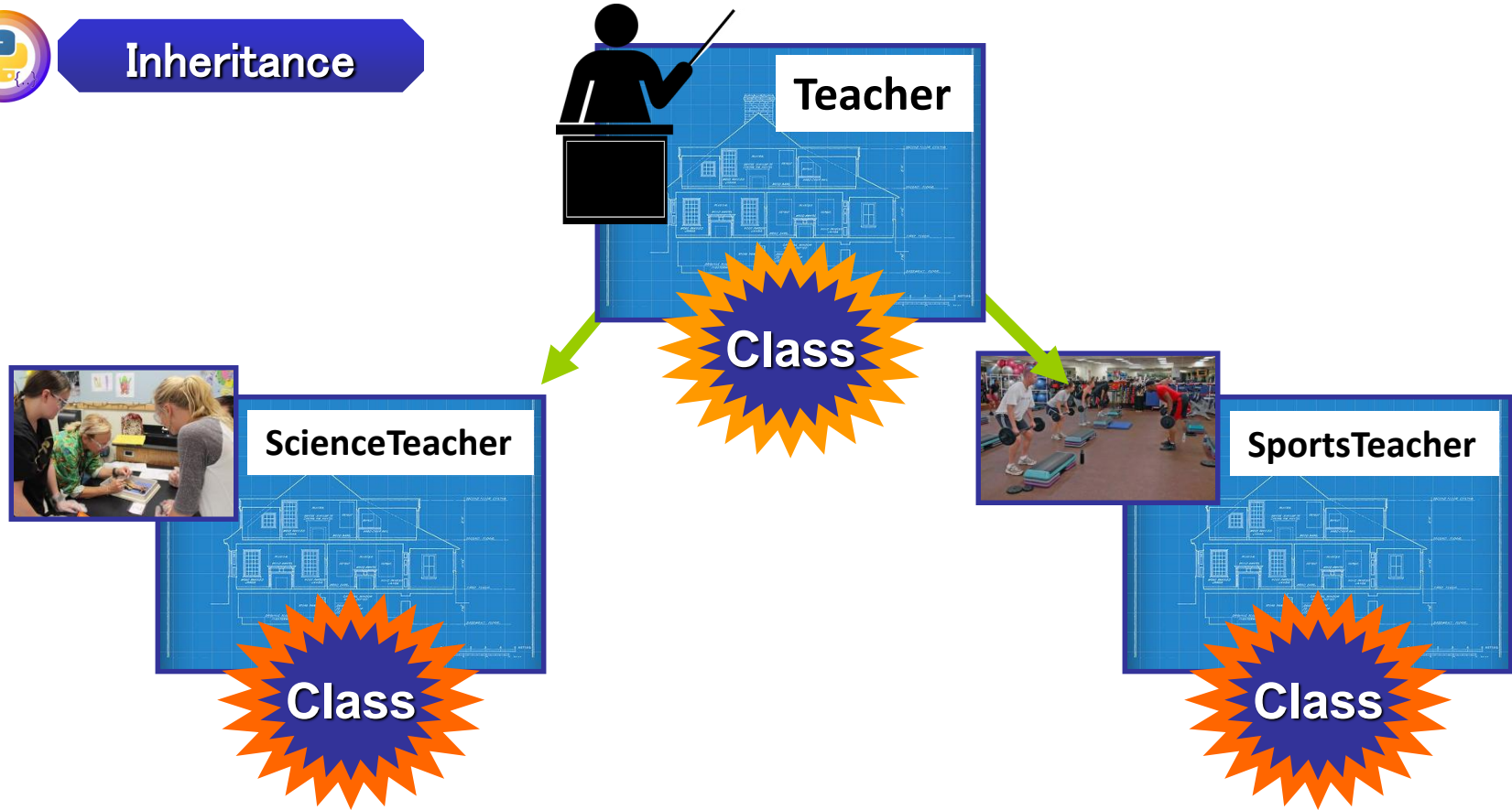


Inheritance

# Common Functionality



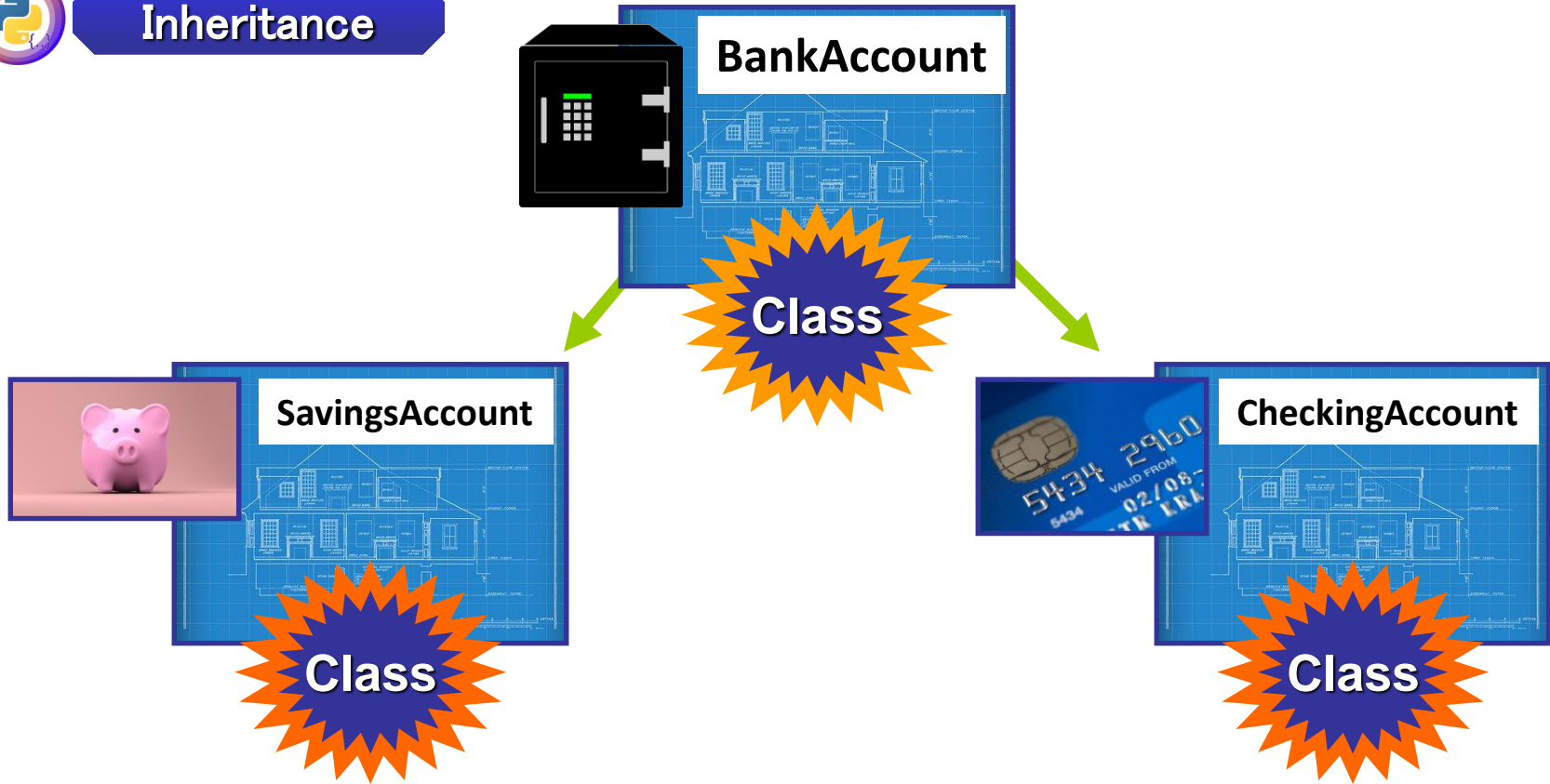
# Inheritance







## Inheritance





# Don't Repeat Yourself (DRY)



# Time to Practice

