

## Encapsulation

C++: <https://www.softwaretestinghelp.com/encapsulation-in-cpp/>

Java: [https://www.w3schools.com/java/java\\_encapsulation.asp](https://www.w3schools.com/java/java_encapsulation.asp)

Python: <https://www.geeksforgeeks.org/encapsulation-in-python/>

## Cheatsheets

C++: <https://www.codecademy.com/learn/learn-c-plus-plus/modules/learn-cpp-classes-and-objects/cheatsheet>

Java: <https://www.codecademy.com/learn/learn-java/modules/java-access-encapsulation-and-static-methods/cheatsheet>

<https://www.codecademy.com/learn/learn-java/modules/learn-java-inheritance-and-polymorphism/cheatsheet>

Python: <https://www.codecademy.com/learn/learn-python-3/modules/learn-python3-classes/cheatsheet>

## OOPS Interview Questions

<https://www.interviewbit.com/oops-interview-questions/>

## Inheritance:

C++: <https://www.geeksforgeeks.org/inheritance-in-c/>

Python: <https://docs.python.org/3/tutorial/classes.html#inheritance>

Java: <https://www.geeksforgeeks.org/inheritance-in-java/>

## Polymorphism:

C++: <https://www.geeksforgeeks.org/polymorphism-in-c/>

Java: <https://docs.oracle.com/javase/tutorial/java/IandI/polymorphism.html>

**Python:** <https://www.programiz.com/python-programming/polymorphism>

## **C++**

Copy Constructor vs Assignment Operator: <https://www.geeksforgeeks.org/copy-constructor-vs-assignment-operator-in-c/>

Emulating the super keyword: <https://www.fluentcpp.com/2017/12/26/emulate-super-base/>

Friend functions: <https://www.section.io/engineering-education/introduction-to-friend-functions-in-c++/>

## **Java**

Friend functions: <https://stackoverflow.com/questions/14226228/implementation-of-friend-concept-in-java>

Interface: <https://www.sanfoundry.com/java-program-make-shape-interface-implement-using-circle-rectangle-class/>

## **Design Problems**

Game of chess: <https://inst.eecs.berkeley.edu/~cs162/sp07/Nachos/chess.shtml>