**Section 7\_OOP Part2 Composition, Encapsulation**

Topics Covered:

Composition

Encapsulation

Short cut to change a variable name in the whole file

Polymorphism

**Composition**

public class Case {

}

public class Monitor {

}

public class MotherBoard {

}

public class PC {  
 private Case theCase;  
 private Monitor monitor;  
 private MotherBoard motherBoard;  
  
 public PC(Case theCase, Monitor monitor, MotherBoard motherBoard) {  
 this.theCase = theCase;  
 this.monitor = monitor;  
 this.motherBoard = motherBoard;  
 }

**Encapsulation**

It is the mechanism that allows you to restrict access to certain components in the object that you are creating

**Short cut to change a variable name in the whole file**

Highlight what you want to rename -> right click -> refactor -> rename

**Polymorphism**

Same as C++