

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++