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CS 262 Section 2

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Exercise 1

1. **Explain the advantage and disadvantage of multiple inheritance. Write a PHP program to demonstrate that.**

* **Advantage:**
  + By using multiple inheritance, you can easily reuse the inherited value, attributes and operations of the superclass in your subclasses and that you can reuse small codes a lot without having to copy and paste similar code to implement interfaces.
* **Disadvantage:**
  + When you are using multiple inheritance. You are likely to face problems when you have to change something in the superclass. By this means, you’ll have to change subclasses as well. This means the more maintenance you are likely to perform.

**PHP Code Demonstration:**

<?php

**interface C** {

public function insideC();

}

**interface B** {

public function insideB();

}

**class Multiple implements B, C** {

// Function of the interface B

function insideB() {

echo "\nI am in interface B";

}

// Function of the interface C

function insideC() {

echo "\nI am in interface C";

}

public function insidemultiple()

{

echo "\nI am in inherited class";

}

}

$inheritance = new multiple();

$inheritance>insideC();

$inheritance>insideB();

$inheritance>insidemultiple();

?>