**Exercise 1 (CS 262)**

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

Multiple Inheritance is the property of the Object Oriented Programming languages in which child class or sub class can inherit the properties of the multiple parent classes or super classes.

The advantage of multiple inheritance is that it allows a class to inherit the functionality of more than one base class thus allowing for modeling of complex relationships.

The disadvantage of multiple inheritance is that it can lead to a lot of confusion when two base classes implement a method with the same name.

<?php

class inheritanta

{

    function update()

    {

        echo "<br/>Function Update";

    }

    function remove()

    {

        echo "<br/>Function Remove";

    }

}

class Multi\_inheritant extends inheritant1

{

    function update()

    {

        echo "<br/>Function Add";

    }

}

$inheritant1 = new inheritanta;

$inheritant1->update();

$inheritant1 = new inheritanta;

$inheritant1->remove();

$Multi\_inheritant = new Multi\_inheritant;

$Multi\_inheritant->update();

$Multi\_inheritant = new Multi\_inheritant;

$Multi\_inheritant->remove();

?>