IPRC KARONGI

Integrated Polytechnic Regional College

P.O. Box85 KARONGI- RWANDA
Tel: +250 788871075
Email:info@iprckarongi.rp.ac.rw
www.iprckarongi.rp.ac.rw

RWANDA POLYTECHNIC

18RP05986

18RP05381

18RP07682

18RP08975

18RP03927

18RP03874

PHP ASSIGNMENT

IT LEVEL TWO C

These qualities and relationships in plain language leads to the inheritance structure you would create.\

I will create a multiple inheritance whereby the Pet class will be the parent class

and then Dog and Cat Classes will be the child classes.

The Multiple inheritance existence happens when two or more classes are inheriting from the same parent class.

Furthermore, inside the Dog classes we will be able to access name properties, sleep and eat methods.

Here we have two child class cat and dog both extends to parent class called pet.

 Cat and dog has same behavior with pet. Each child class has all behavior from parent class and its own behavior that differ from other

Type of Inheritance is multiple inheritance but is not supported in PHP inheritance if you want to run program like this scenario the possible solution is to use PHP interface

```
2. <html>
<head>
   <title> OOP Student Registration Formm </title>
   <link href="https://unpkg.com/tailwindcss@^2/dist/tailwind.min.css" rel="stylesheet">
</head>
<body class="items-center justify-center bg-gray-900 p-16 ">
   <div class="container">
      <div class="bg-gray-800 rounded-xl h-300 w-600 items-center justify-center p-8">
         <form method="POST" action="index.php">
            <div class="flex-wrap gap-2 items-center justify-center">
               <div>
               <table cellpadding="5">
                  <tr>
                     <td>
                        <lable for="firstname" class="text-gray-200">First Name</label>
                     </td>
                     <td>
                        <input type="text" name="firstname" class="rounded-sm p-1 ml-2 text-gray-900">
                     </td>
                  </tr><div>                <div> <tr>                                    <td>
                        <label for="lastname" class="text-gray-200">Last Name</label>
                     </td>
                     <td>
                        <input type="text"  name="lastname" class="rounded-sm p-1  ml-2 text-gray-900">
                                    </td>

                  </tr><div>                         <div>                            <div>
                        <div>                    <td>
                     <label for="gender" class="text-gray-200">Gender</label>
                  </td>
                  <td>
                     <Select name="gender" class="rounded-sm p-1 w-40 ml-2 text-gray-900">
                        <option value="male">Male</option>
                        <option value="female">Female</option>
                     </select>
</td></td>
</td>
                  </div>
                  <div>
                     <tr>

                        <td>
                           <label for="gender" class="text-gray-200">PHP</label>
                        </td>
                        <td>
                           <input type="number" name="php" max="100" class="rounded-sm p-1 ml-2 text-
gray-900">
                        </td>
```

```html
            </tr>
          </div>
          <div>
    <tr>
              <td>
                <label for="gender" class="text-gray-200">Java</label>
              </td>
              <td>
                <input type="number" name="java" max="100" class="rounded-sm p-1 ml-2 text-
gray-900">
              </td>
            </tr>
          </div>
          <div>
            <tr>
              <td>
                <label for="gender" class="text-gray-200">IoT</label>
              </td>
              <td>
                <input type="number" name="iot" max="100" class="rounded-sm p-1 ml-2 text-
gray-900">
              </td>
            </tr>
          </div>
          <div>
            <tr>
              <td>
                <label for="gender" class="text-gray-200">Linux</label>
              </td>
              <td>
                <input type="number" name="linux" max="100" class="rounded-sm p-1 ml-2 text-
gray-900">
              </td>
            </tr>
          </div>
          <div>
            <tr>
              <td>
                <label for="gender" class="text-gray-200">Computer Architecture</label>
              </td>
              <td>
                <input type="number" name="architecture" max="100" class="rounded-sm p-1 ml-2
text-gray-900">
              </td>
            </tr>
          </div>
          <div>
            <tr>
```

```php
                    <td>
                        <input type="submit" name="submit" class="rounded-sm p-2 w-32 text-gray-200
bg-purple-600">
                    </td>
                    <td>
                        <input type="reset"  class="rounded-sm p-2 w-32 ml-2 text-gray-200 bg-red-600">
                    </td>
                </tr>
            </div>
        </table>
    </div>
</form>
</div>
<?php
if(isset($_POST['submit'])){

?>
<div class="bg-gray-200 rounded-xl h-300 w-600 items-center text-gray-900 justify-center p-4">
    <?php

        class displayStudent{
            public $firstname;
            public $lastname;
            public $gender;
            public $php;
            public $java;
            public $iot;
            public $linux;
            public $architecture;

        function getInfo(){
            $this->firstname = $_POST['firstname'];
            $this->lastname = $_POST['lastname'];
            $this->gender = $_POST['gender'];
            $this->php = $_POST['php'];
            $this->java = $_POST['java'];
            $this->linux = $_POST['linux'];
            $this->iot = $_POST['iot'];
            $this->architecture = $_POST['architecture'];
            }
        function displayInfo(){
            if($this->gender == 'male'){
                echo "</br> Hello <strong> Brother! </strong> </br> Your Names are <strong>".$this-
>firstname." ".$this->lastname."</strong>";
            }
            else {
                echo "</br> Hello <strong> Sister! </strong> </br> Your Names are <strong>".$this-
>firstname." ".$this->lastname."</strong>";
```

```php
                }
            }

        function studentMarks(){
            $sum = $this->php + $this->java + $this->linux + $this->iot + $this->architecture;
            $average = $sum/5;
            echo "</br> TOTAL OF YOUR MARKS IS <strong>".$sum."/500</strong>";
            if($average>0 && $average<50){
                echo "</br> You <strong> Failed </strong>, and you have
<strong>".$average."%</strong>";
            }
            elseif($average>=50 && $average<=100){
                echo "</br> You have <strong> a Pass </strong>, and you have
<strong>".$average."%</strong>";
            }
            else {
                echo "</br> Marks doesnt exist";
            }
    }
        }
        $obj = new displayStudent;
        $obj->getInfo();
        $obj->displayInfo();
        $obj->studentMarks();
      }
     ?>
    </div>
  </div>
</body>
</html>
```