

TUGAS PERTEMUAN 3

NAMA : RAKHA NADA SYAHPUTRA
NIM : G.211.21.0071
MATKUL : PEMROGRAMAN FRAMEWORK

1. Latihan 1

```
1 <?php
2
3 class Mobil{
4     public $nama;
5     public $merk;
6
7     function getInfo($a){
8         echo "Nama mobil: ".$a->nama."</br>";
9         echo "Merk: ".$a->merk."</br>";
10    }
11 }
12
13 $ferrari=new Mobil();
14 $ferrari->nama= "eee";
15 $ferrari->merk= "kkk";
16
17 $ferrari->getInfo($ferrari);
18 ?>
```

Code error karena php tidak bisa overload method

2. Latihan 2

```
1  <?php
2
3  class mahasiswa{
4      public $nama;
5      public $nim;
6
7      function __construct($a, $b){
8          $this->nama= $a;
9          $this->nim= $b;
10         echo "Kelas telah dibuat</br></br>";
11     }
12
13     function __construct($a, $b){
14         $this->nama= $a;
15         $this->nim= $b;
16         echo "Kelas telah dibuat</br></br>";
17     }
18
19     function cetak(){
20         echo $this->nama."</br>".$this->nim."</br></br>";
21     }
22
23     function __destruct(){
24         echo "Kelas telah dihancurkan";
25     }
26 }
27 ?>
```

```
1  <?php
2
3  require_once("lat4_2a.php");
4
5  $mhs2=new mahasiswa("Pennyka", "0910683073");
6
7  $mhs2->cetak();
8  ?>
```

3. Latihan 3

```
1  <?php
2
3  class mahasiswa{
4      private $nama;
5      private $nim;
6
7      public function tampilkan_nama(){
8          return $this->nama;
9      }
10
11     function __construct(){
12         $a= "Rakha Nada";
13         $b= "G.2111.21.0071";
14     }
15     $this->nama= $a;
16     $this->nim= $b;
17 }
18
19 function setNama($a){
20     $this->nama=$a;
21 }
22
23 function setNim($b){
24     $this->nim=$b;
25 }
26
27 function getNama(){
28     return $this->nama;
29 }
30
31 function getNim(){
32     return $this->nim;
33 }
34
35 function destruct(){}
36 }
37 ?>
```

```
1  <?php
2
3  require_once("lat4_3a.php");
4
5  $mhs1=new mahasiswa();
6  echo $mhs1->getNama(). $mhs1->getNim();
7  ?>
```

Error, karena property private hanya untuk class mahasiswa dan saat dirubah tetap error

4. Latihan 4

```
1 <?php
2
3 require_once("lat4_3a.php");
4
5 class asisten extends mahasiswa
6 {
7     function __construct() {}
8 }

1 <?php
2
3 require_once("lat4_4a.php");
4
5 $as= new asisten();
6 $as->setNama("tes");
7 echo $as->getNama();
8 ?>
```

5. Latihan 5

```
1 <?php
2
3 abstract class mahasiswa
4 {
5     abstract protected function getTugasAkhir();
6     abstract protected function getProgram($postfix);
7
8     public function tugasAkhir(). "<br>";
9     {
10         print $this->getTugasAkhir(). "<br>";
11     }
12 }
13
14 class sarjana extends mahasiswa
15 {
16     protected function getTugasAkhir()
17     {
18         return "Skripsi";
19     }
20
21     public function getProgram($postfix)
22     {
23         print "{$postfix} S1";
24     }
25 }
26
27 class magister extends mahasiswa
28 {
29     public function getTugasAkhir()
30     {
31         return "Tesis";
32     }
33
34     public function getProgram($postfix)
35     {
36         print "{$postfix} S2";
37     }
38 }
39 ?>
```

```
1 <?php
2
3 require_once("lat4_5a");
4
5 $s= new sarjana;
6 $s->getProgram('Mahasiswa'). "<br>";
7 $s->tugasAkhir();
8
9 $m= new magister;
10 $m->getProgram('Mahasiswa')/ "<br>";
11 $m->tugasAkhir();
12 ?>
```

Error pada sub class yang mewarisi super class harus menuliskan semua method abstrak dari super classnya

6. Latihan 6

```
1  <?php
2
3  interface a
4  {
5      public function foo();
6  }
7
8  interface b
9  {
10     public function bar();
11 }
12
13 interface c extends a, b
14 {
15     public function baz();
16 }
17
18 class d implements c
19 {
20     public function foo()
21     {
22     }
23
24     public function baz()
25     {
26     }
27
28     public function baz()
29     {
30     }
31
32 class e implements a, b
33 {
34     public function foo()
35     {
36     }
37
38     public function bar()
39     {
40     }
41 }
```

Error, method foo dan bar terdapat pada interace a dan b, pada penerapannya sebuah class baru tidak dapat mengimplementasikan method yang sama pada dua interface

7. Latihan 7

```
1  <?php
2
3  class A
4
5  {
6
7  final public function disp(){
8
9  echo "Inside the final function";
10
11 }
12
13 }
14
15 class B extends A{
16
17 function disp(){
18
19 echo "Inside the final function";
20
21 }
22
23 }
24
25 $obj=new B();
26
27 $obj->disp();
28 ?>
```

Error karena method class a tidak dapat override

8. Latihan 8

```
1  <?php
2
3  class One{
4
5  private static $var=0;
6
7  function __construct(){
8
9  static function disp(){
10
11     print self::$var;
12
13 }
14
15 function __destruct(){
16
17 }
18
19 One::disp();
20 ?>
```