

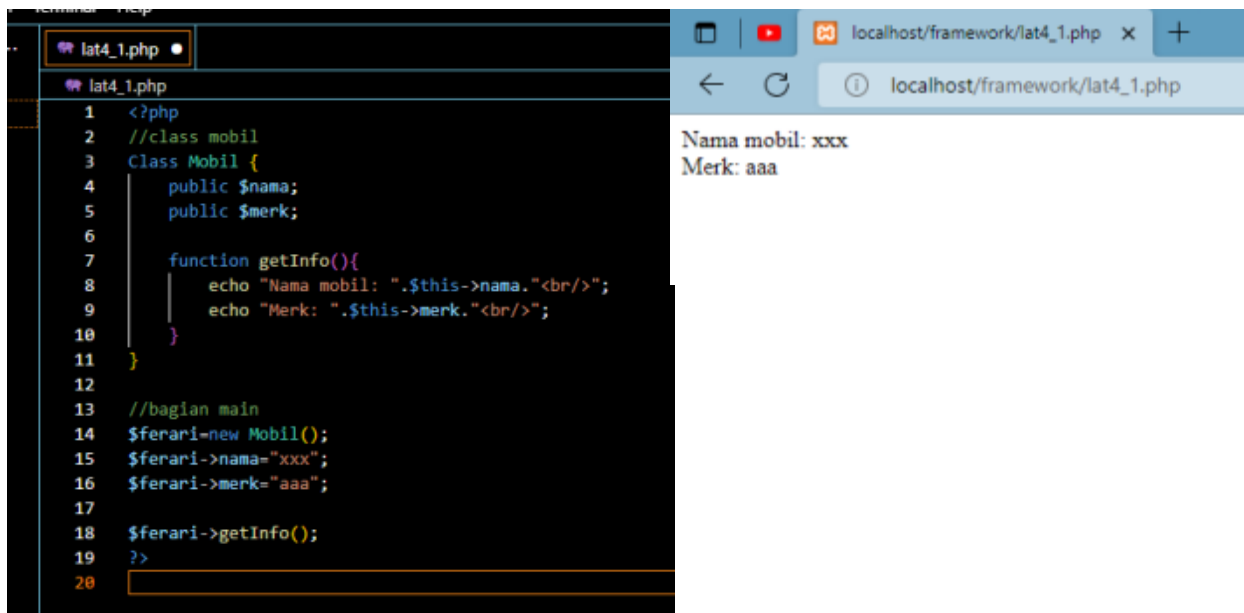
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TUGAS FRAMEWORK

1. Latihan 1

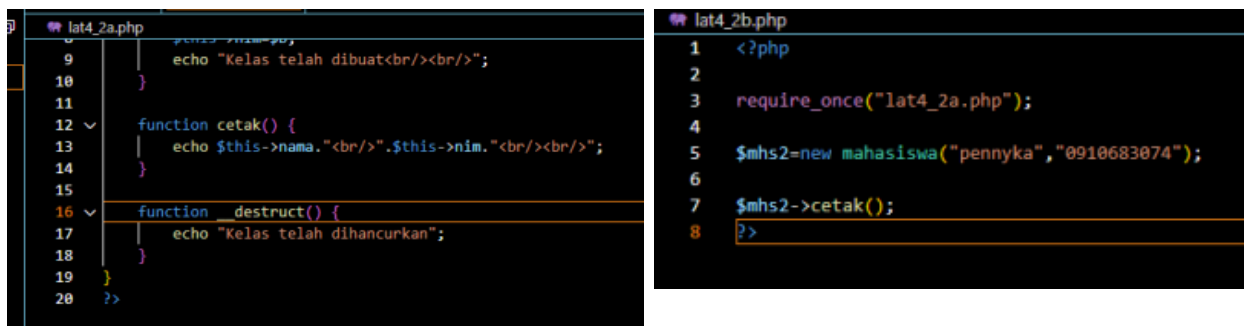


The screenshot shows a code editor on the left with a file named `lat4_1.php`. The code defines a `Mobil` class with public properties `$nama` and `$merk`, and a `getInfo()` method that echoes these values. In the main section, a `Mobil` object is instantiated, its properties are set to "xxx" and "aaa", and the `getInfo()` method is called. To the right, a web browser window shows the output of the script: "Nama mobil: xxx" and "Merk: aaa".

```
1 <?php
2 //class mobil
3 Class Mobil {
4     public $nama;
5     public $merk;
6
7     function getInfo(){
8         echo "Nama mobil: ".$this->nama."<br/>";
9         echo "Merk: ".$this->merk."<br/>";
10    }
11 }
12
13 //bagian main
14 $ferari=new Mobil();
15 $ferari->nama="xxx";
16 $ferari->merk="aaa";
17
18 $ferari->getInfo();
19 ?>
20
```

Nama mobil: xxx
Merk: aaa

2. Latihan 2



The screenshot shows two code editors. The left editor, `lat4_2a.php`, defines a class with a `cetak()` method that echoes the object's name and NIM, and a `destruct()` method that echoes a message when the object is destroyed. The right editor, `lat4_2b.php`, demonstrates the use of the class by including `lat4_2a.php`, creating a `mahasiswa` object, and calling its `cetak()` method.

```
lat4_2a.php
9     echo "Kelas telah dibuat<br/><br/>";
10 }
11
12 function cetak() {
13     echo $this->nama."<br/>".$this->nim."<br/><br/>";
14 }
15
16 function destruct() {
17     echo "Kelas telah dihancurkan";
18 }
19 }
20 ?>

lat4_2b.php
1 <?php
2
3 require_once("lat4_2a.php");
4
5 $mhs2=new mahasiswa("pennyka","0910683074");
6
7 $mhs2->cetak();
8 ?>
```

← ↻ ⓘ localhost/framework/lat4_2b.php

Kelas telah dihancurkan

3. Latihan 3

```
lat4_3a.php
1 <?php
2
3 class mahasiswa{
4     private $nama;
5     private $nim;
6
7     function __construct () {}
8
9     function setName($a) {
10         $this->nama=$a;
11     }
12
13     function setNim($b) {
14         $this->nim=$b;
15     }
16
17     function getName() {
18         return $this->nama;
19     }
20
21     function getNim(){
22         return $this->nim;
23     }
24
25     function destruct () {}
26 }
27
28 ?>
```

```
lat4_3b.php
1 <?php
2
3 require_once("lat4_3a.php");
4
5 $mhs1=new mahasiswa();
6 $mhs1->setNama ("qonita");
7 echo $mhs1->getName ();
8
9 $mhs1->setNim ("nimnya qonita berapaya?");
10 echo $mhs1->getNim();
11 ?>
```

← ↻ ⓘ localhost/framework/lat4_3b.php

qonitanimnya qonita berapaya?

4. Latihan 4

```
lat4_4a.php
1 <?php
2
3 require_once("lat4_3a.php");
4
5 class asisten extends mahasiswa {
6     function __construct () {}
7 }
8 ?>
```

```
lat4_4b.php
1 <?php
2
3 require_once("lat4_4a.php");
4
5 $as = new asisten();
6 $as->setNama("qonita");
7 echo $as->getName();
```

← ↻ ⓘ localhost/framework/lat4_4b.php

qonita

5. Latihan 5

```
lat4_5a.php
1 <?php
2
3 abstract class mahasiswa
4 {
5     abstract protected function getTugasAkhir();
6     abstract protected function getProgram($postfix);
7
8     public function tugasAkhir()
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 "{$postfix} S1";
24     }
25 }
26
27 class magister extends mahasiswa
28 {
29     public function getTugasAkhir()
30     {
31         return "Tesis";
32     }
33     public function getProgram($postfix)
34     {
35         print "{$postfix} S2";
36     }
37 }
```

```
lat4_5b.php
1 <?php
2
3 require_once("lat4_5a.php");
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();
```

localhost/framework/lat4_5b.php

Mahasiswa S1Skripsi
(Mahasiswa) S2Tesis

6. Latihan 6

```
lat4_6.php
1 <?php
2 interface a
3 {
4     public function foo ();
5 }
6
7 interface b
8 {
9     public function bar ();
10 }
11
12 interface c extends a, b
13 {
14     public function baz ();
15 }
16
17 class d implements c
18 {
19     public function foo()
20     {
21     }
22
23     public function bar()
24     {
25     }
26
27     public function baz()
28     {
29     }
30 }
31 ?>
```

localhost/framework/lat4_6.php

7. Latihan 7

```
lat4_7.php
1 <?php
2 class A
3 {
4     public function disp()
5     {
6         echo "Inside the final function";
7     }
8 }
9 class B extends A
10 {
11     function disp()
12     {
13         echo "Inside the final function";
14     }
15 }
16 $obj = new B();
17 $obj->disp();
18
```

localhost/framework/lat4_7.php

Inside the final function

8. Latihan 8

```
lat4_8.php
1 <?php
2 class One{
3     private static $var=0;
4     function __construct(){
5         static function disp(){
6             print self::$var;
7         }
8     function __destruct(){
9     }
10 one::disp();
11 ?>
```

localhost/framework/lat4_8.php x +

localhost/framework/lat4_8.php

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