

# **PROJECT OOP**

**PADA SISTEM INFORMASI (OOP)**

**Object Oriented Programming SMKN 1 KARANG BARU**



**OLEH:**

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**REKAYASA PERANGKAT LUNAK**

**SMK NEGERI 1 KARANG BARU**

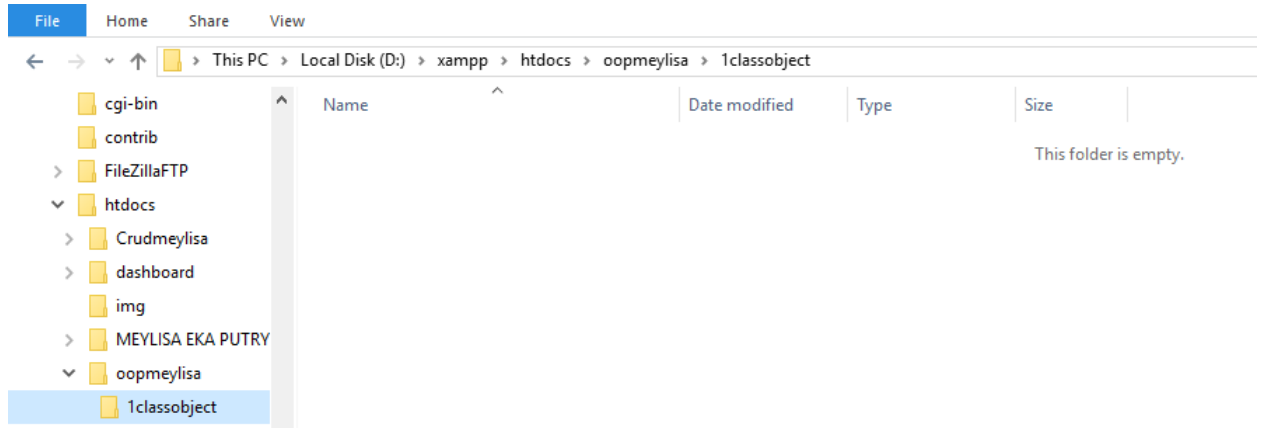
**PEMERINTAH PROVINSI ACEH**

**2024**

## 1. Dengan Power Shell/Terminal

Membuat folder di windows explorer dengan directory sebagai berikut:

D:\XAMPP\HTDOCS\OOPMEYLISA\1CLASSOBJECT



## 2. Membuka folder ybs dengan xampp

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19045.3448]
(c) Microsoft Corporation. All rights reserved.

C:\Users\User>D:

D:\>cd xampp

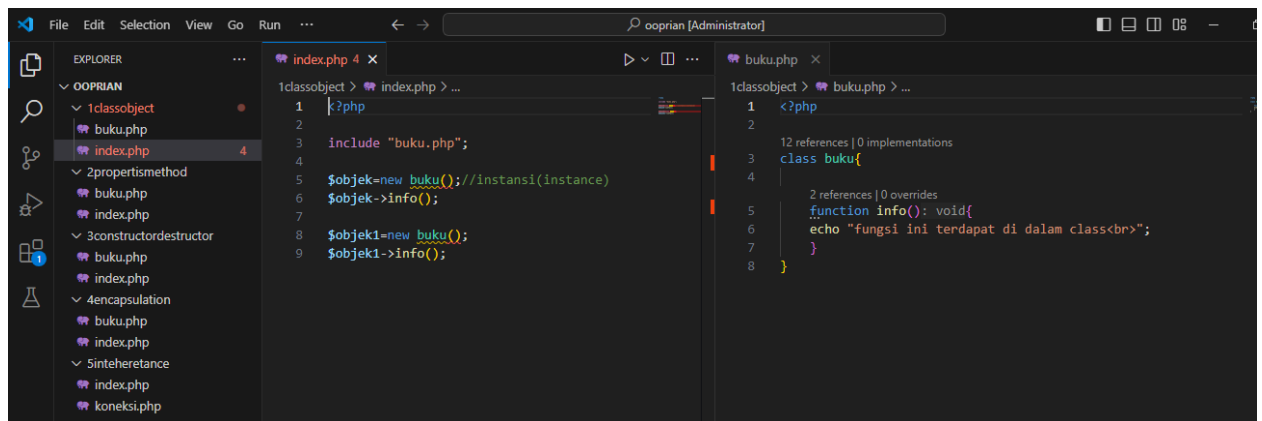
D:\xampp>cd htdocs

D:\xampp\htdocs>cd ooprian

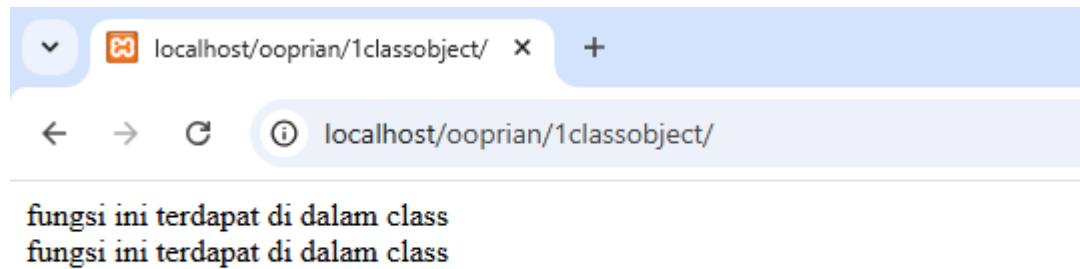
D:\xampp\htdocs\ooprian>.code
'.code' is not recognized as an internal or external command,
operable program or batch file.

D:\xampp\htdocs\ooprian>
```

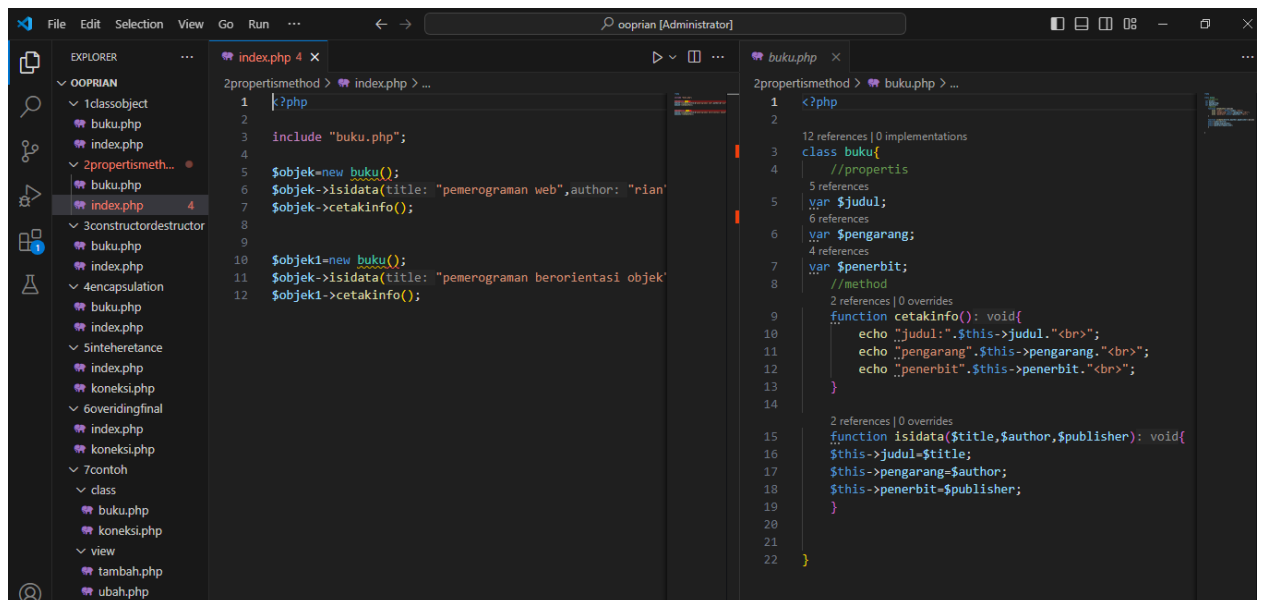
### a. Class dan Object



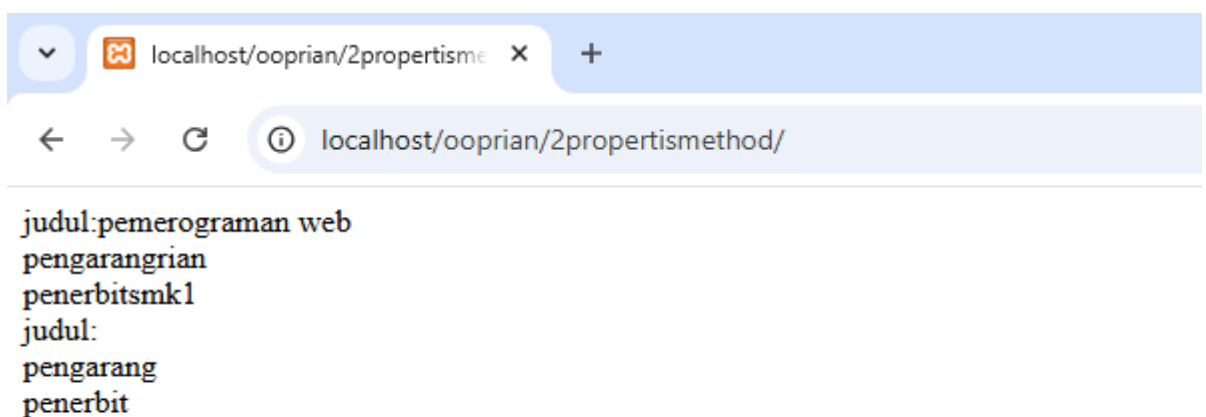
Output:



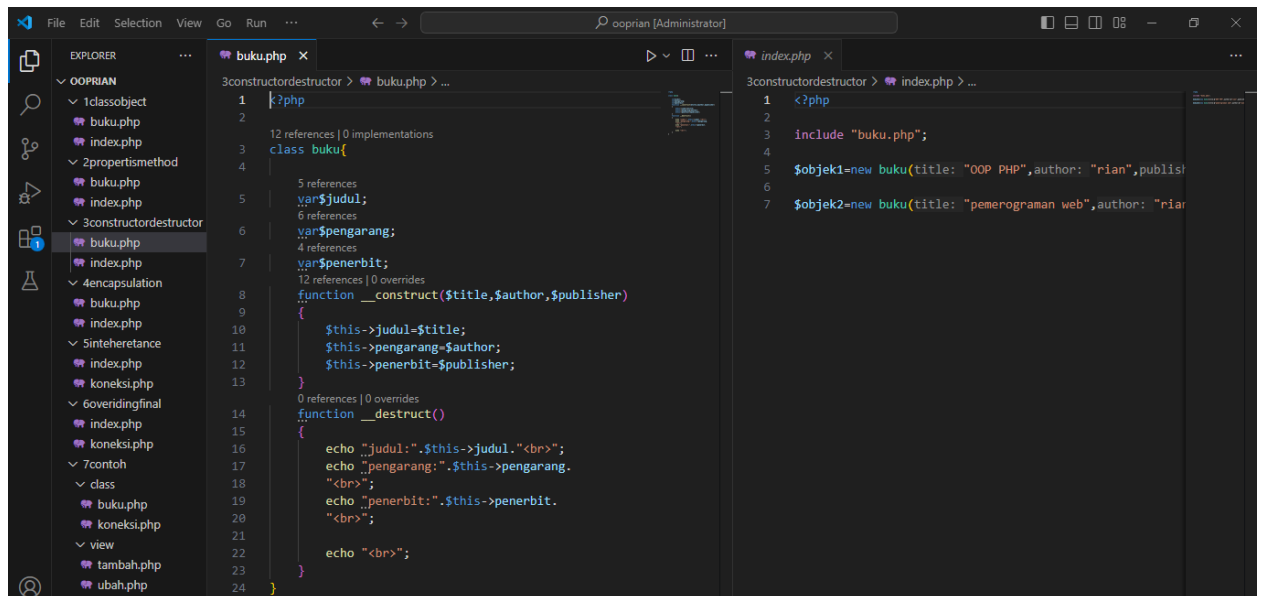
## b. Properthies dan Method



Output:



### c. Constructor dan Destructor

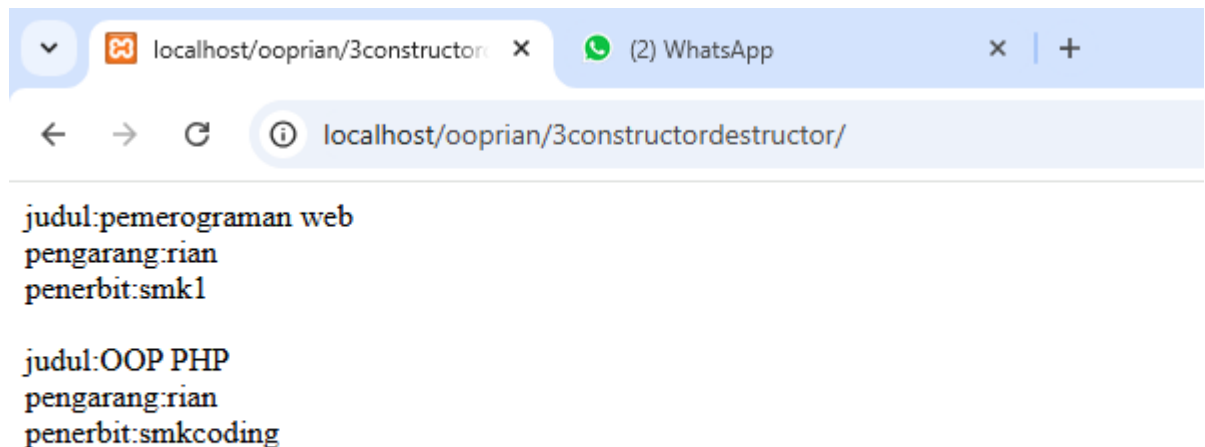


The screenshot shows a VS Code editor with two files open: `buku.php` and `index.php`. The `buku.php` file contains a class `buku` with a constructor `__construct` and a destructor `__destruct`. The `index.php` file includes `buku.php` and creates two objects, `$objek1` and `$objek2`, using the `new` keyword.

```
1 <?php
2
3 include "buku.php";
4
5 $objek1=new buku(title: "OOP PHP",author: "rian",publish: "smk1");
6
7 $objek2=new buku(title: "pemrograman web",author: "rian",publish: "smk1");
```

```
1 <?php
2
3 class buku{
4     12 references | 0 implementations
5     5 references
6     var$judul;
7     6 references
8     var$penarang;
9     4 references
10    var$penberit;
11    12 references | 0 overrides
12    function __construct($title,$author,$publisher)
13    {
14        $this->judul=$title;
15        $this->penarang=$author;
16        $this->penberit=$publisher;
17    }
18    0 references | 0 overrides
19    function __destruct()
20    {
21        echo "judul:". $this->judul. "<br>";
22        echo "penarang:". $this->penarang. "<br>";
23        echo "penberit:". $this->penberit. "<br>";
24    }
25 }
```

Output:

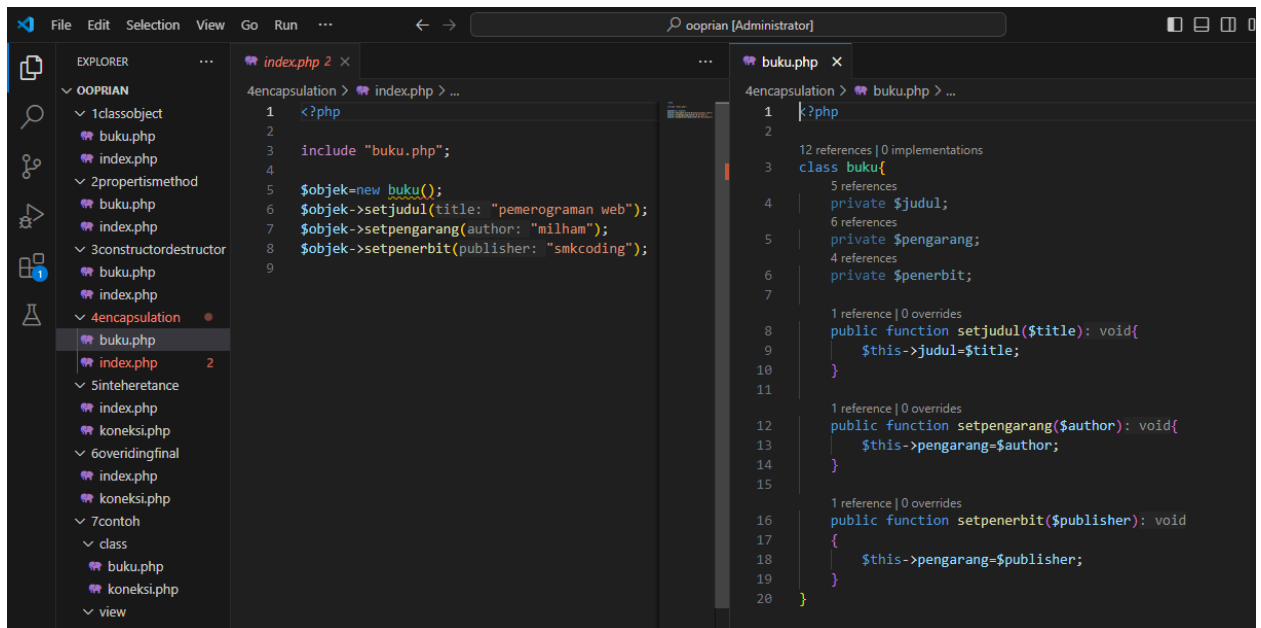


The screenshot shows a web browser window with the address bar displaying `localhost/ooprian/3constructordestructor/`. The browser shows the output of the PHP script, which displays the details of two objects: `$objek1` and `$objek2`.

```
judul:pemrograman web
penarang:rian
penberit:smk1

judul:OOP PHP
penarang:rian
penberit:smkcoding
```

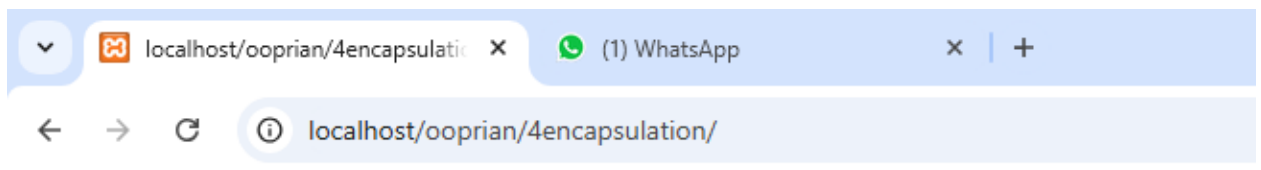
#### d. Encapsulation (Access Modifiers)



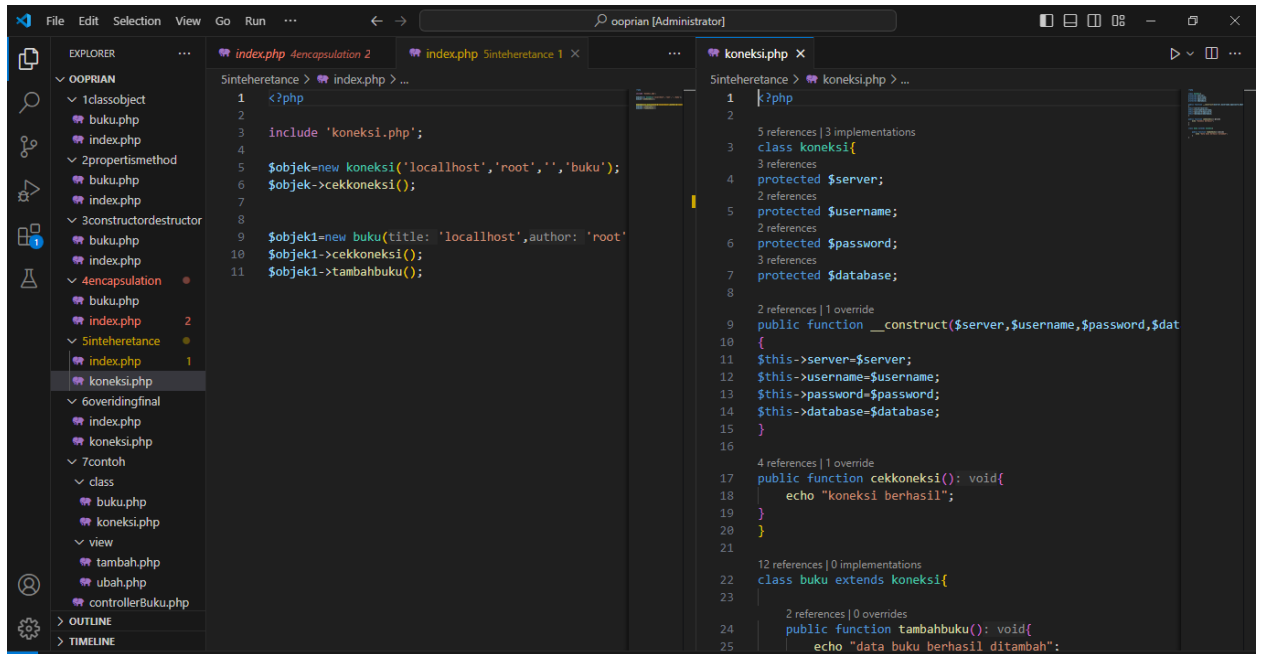
```
1 <?php
2
3 include "buku.php";
4
5 $objek=new buku();
6 $objek->setjudul(title: "pemerograman web");
7 $objek->setpengarang(author: "milham");
8 $objek->setpenerbit(publisher: "smkcoding");
9
```

```
1 {?php
2
3 12 references | 0 implementations
4 class buku{
5     5 references
6     private $judul;
7     6 references
8     private $pengarang;
9     4 references
10    private $penerbit;
11
12    1 reference | 0 overrides
13    public function setjudul($title): void{
14        $this->judul=$title;
15    }
16
17    1 reference | 0 overrides
18    public function setpengarang($author): void{
19        $this->pengarang=$author;
20    }
21
22    1 reference | 0 overrides
23    public function setpenerbit($publisher): void
24    {
25        $this->pengarang=$publisher;
26    }
27 }
```

Output:



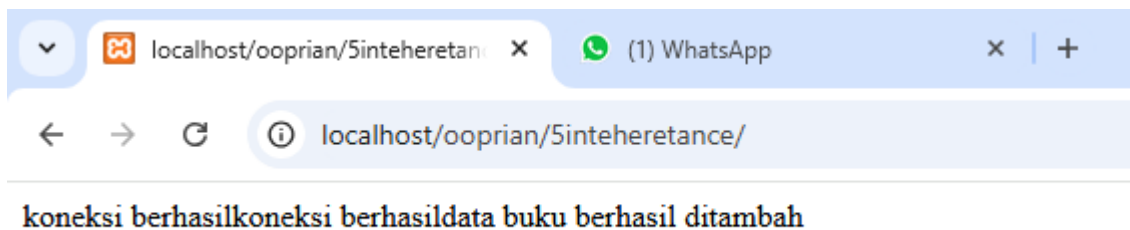
## e. Inheritance (Pewarisan)



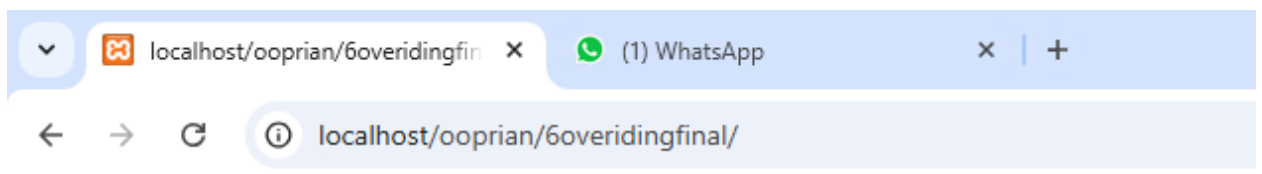
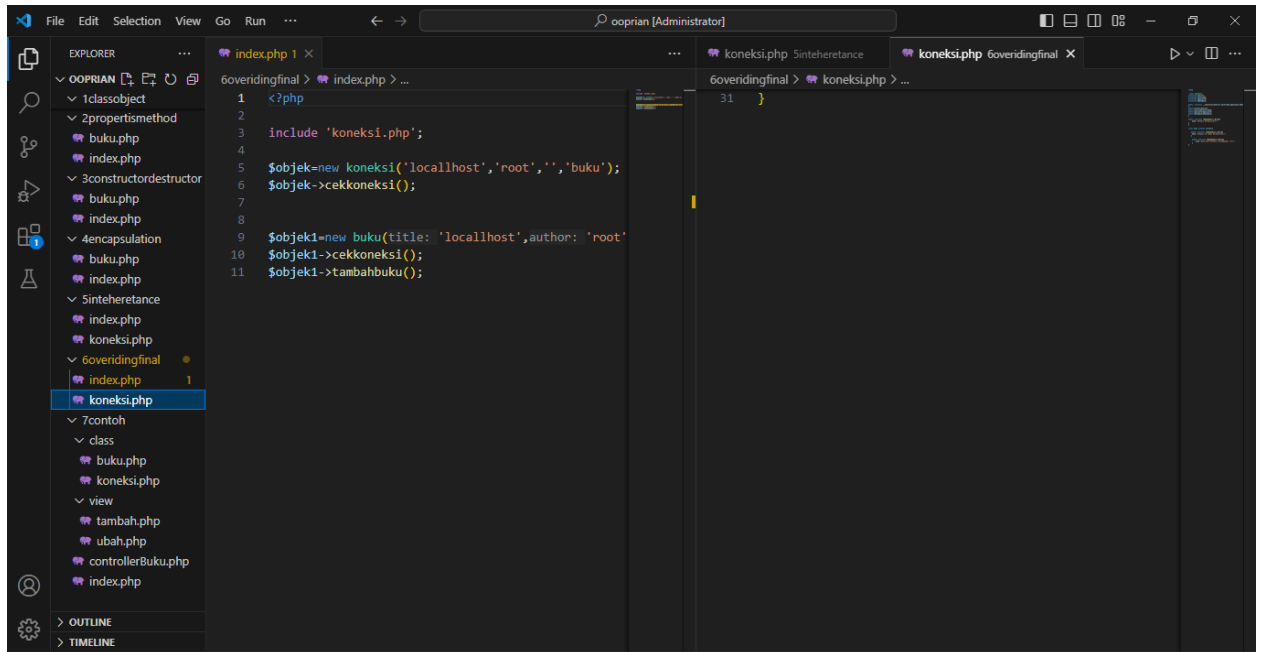
```
1 <?php
2
3 include 'koneksi.php';
4
5 $objek=new koneksi('localhost','root','','buku');
6 $objek->cekkoneksi();
7
8
9 $objek1=new buku(title: 'localhost',author: 'root'
10 $objek1->cekkoneksi();
11 $objek1->tambahbuku();
```

```
1 <?php
2
3 class koneksi{
4     protected $server;
5     protected $username;
6     protected $password;
7     protected $database;
8
9     public function __construct($server,$username,$password,$dat
10 {
11     $this->server=$server;
12     $this->username=$username;
13     $this->password=$password;
14     $this->database=$database;
15 }
16
17 public function cekkoneksi(): void{
18     echo "koneksi berhasil";
19 }
20 }
21
22 class buku extends koneksi{
23
24     public function tambahbuku(): void{
25         echo "data buku berhasil ditambah";
```

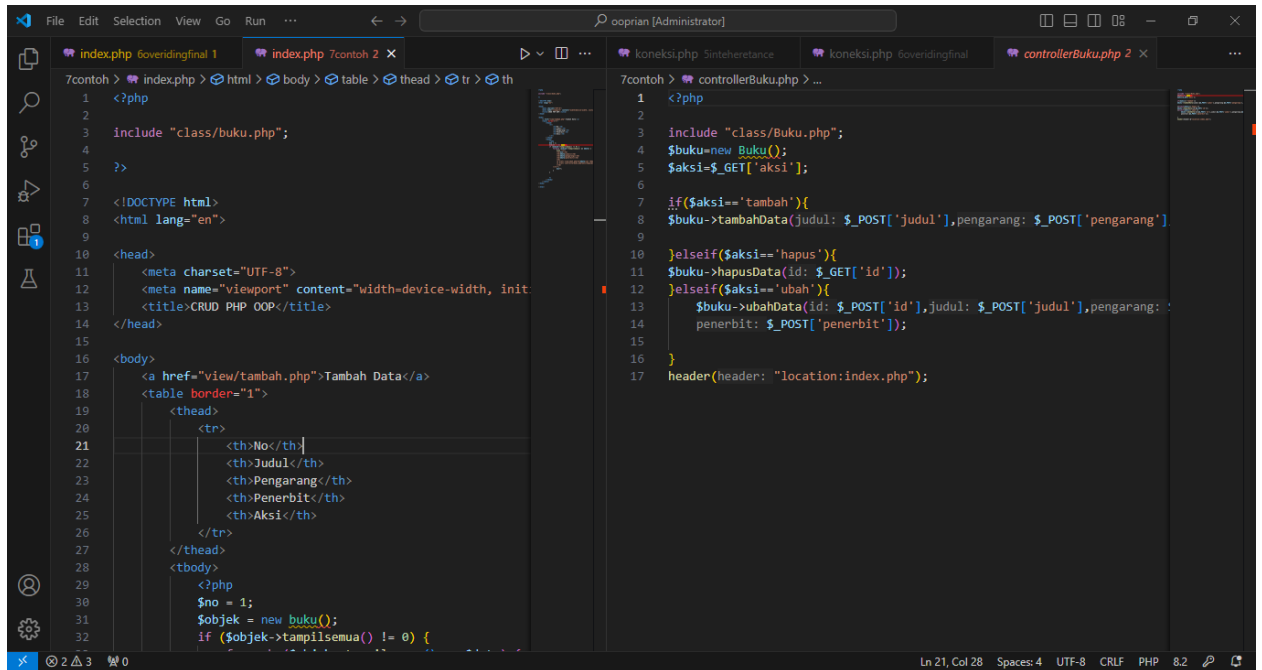
Output:



## f. Overriding dan Kata Kunci Final



## g. Overriding dan Kata Kunci Final



```
1 <?php
2
3 include "class/buku.php";
4
5 ?>
6
7 <!DOCTYPE html>
8 <html lang="en">
9
10 <head>
11 <meta charset="UTF-8">
12 <meta name="viewport" content="width=device-width, initial-scale=1">
13 <title>CRUD PHP OOP</title>
14 </head>
15
16 <body>
17 <a href="view/tambah.php">Tambah Data</a>
18 <table border="1">
19 <thead>
20 <tr>
21 <th>No</th>
22 <th>Judul</th>
23 <th>Pengarang</th>
24 <th>Penerbit</th>
25 <th>Aksi</th>
26 </tr>
27 </thead>
28 <tbody>
29 <?php
30 $no = 1;
31 $objek = new buku();
32 if ($objek->tampilsemua() != 0) {
```

```
1 <?php
2
3 include "class/Buku.php";
4 $buku=new buku();
5 $aksi=$_GET['aksi'];
6
7 if($aksi=='tambah'){
8 $buku->tambahData(judul: $_POST['judul'],pengarang: $_POST['pengarang']
9
10 }elseif($aksi=='hapus'){
11 $buku->hapusData(id: $_GET['id']);
12 }elseif($aksi=='ubah'){
13 $buku->ubahData(id: $_POST['id'],judul: $_POST['judul'],pengarang:
14 penerbit: $_POST['penerbit']);
15 }
16
17 header(header: "location:index.php");
```

