PROJECT OBJECT ORIENTED PROGRAMMING (PEMROGRAMAN BERIORIENTASI OBJEK)



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REKAYASA PERANGKAT LUNAK SMKNEGERI 1 KARANG BARU PEMERINTAH PROVINSI ACEH 2025

a. Apa itu OOP?

```
Microsoft Windows [Version 6.3.9600]
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C:\Users\User>\d:

D:\>cd xampp

D:\xampp\cd htdocs

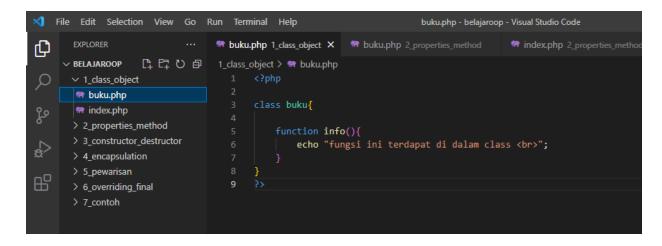
D:\xampp\htdocs>cd belajaroop

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

D:\xampp\htdocs\belajaroop>code .

D:\xampp\htdocs\belajaroop>
```

1. Class dan objek



```
File Edit Selection View Go
                                Run Terminal Help
                                                                               index.php - belajaroop - Visual Studio Code
    EXPLORER
                                         mbuku.php ...\class
                                                                 ndex.php 5_pewarisan

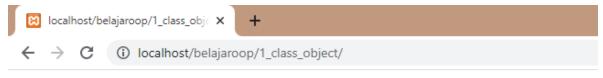
√ BELAJAROOP

                                   1_class_object > 💝 index.php
                                           <?php

√ 1_class_object

    💏 buku.php
                                           include "buku.php";
    m index.php
    > 2_properties_method
                                           $objek=new buku();//instansiasi (instance)
    > 3_constructor_destructor
                                           $objek->info();
    > 4 encapsulation
                                           $objek1=new buku();
    > 5_pewarisan
                                           $objek1->info();
    > 6_overriding_final
                                     10
    > 7_contoh
```

Output:



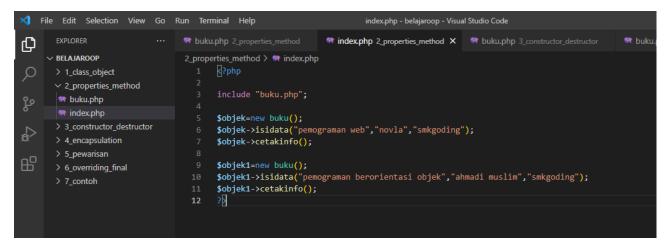
To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

fungsi ini terdapat di dalam class fungsi ini terdapat di dalam class

```
📢 File Edit Selection View Go Run Terminal Help
                                                                                  buku.php - belajaroop - Visual Studio Code
                                      ➡ buku.php 2_properties_method X ➡ index.php 2_properties_method
                                                                                                                                                💏 bukı
       EXPLORER
      ∨ BELAJAROOP
                                      2_properties_method > 💝 buku.php
        > 1_class_object

√ 2_properties_method

        💏 buku.php
        📅 index.php
                                                   var $judul;
        > 3_constructor_destructor
                                                 var $pengarang;
        > 4_encapsulation
                                                  var $penerbit;
        > 5_pewarisan
留
        > 6_overriding_final
                                                   function cetakinfo(){
        > 7_contoh
                                                   echo "judul:". $this->judul."<br>";
                                                       echo "pengarang:". $this->pengarang."<br>';
echo "penerbit:". $this->penerbit."<br>';
                                                            function isidata($title,$author,$publisher){
                                                                $this->judul=$title;
                                                                 $this->pengarang=$author;
                                                                 $this->penerbit=$publisher;
```





To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

judul:pemograman web pengarang:novla penerbit:smkgoding judul:pemograman berorientasi objek pengarang:ahmadi muslim penerbit:smkgoding

3. Constructor dan destructor

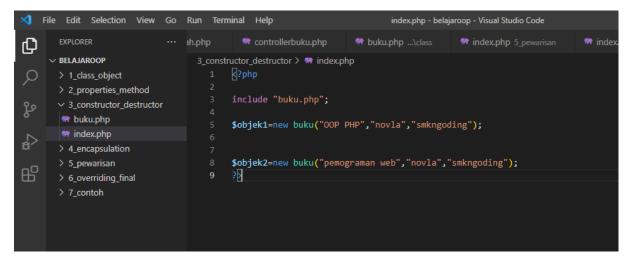
```
ntil buku.php 3_constructor_destructor X
Ф

    BELAJAROOP
    1_class_object
    2_properties_method

       ∨ BELAJAROOP
                                             3_constructor_destructor > 🦛 buku.php
                                              1 ||?php
2
3 ||class buku{

√ 3_constructor_destructor

          💏 buku.php
                                                         var $judul;
                                                          var $pengarang;
var $penerbit;
function __construct($title,$author,$publisher)
          💝 index.php
         > 4_encapsulation
         > 5_pewarisan
         > 6_overriding_final
                                                        $this->judul=$title;
$this->pengarang=$author;
$this->penerbit=$publisher;
         > 7 contoh
                                                            function __destruct()
                                                                  echo "judul :".$this->judul."<br>";
                                                                 echo "pengarang :".$this->pengarang."<br>";
echo "penerbit :".$this->penerbit."<br>";
```



Output:



To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

judul :pemograman web pengarang :novla penerbit :smkngoding judul :OOP PHP pengarang :novla

penerbit:smkngoding

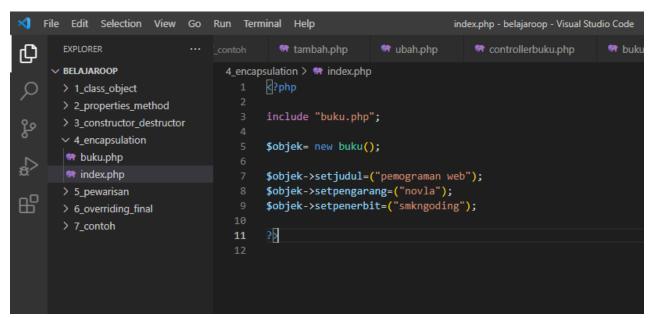
```
Tile Edit Selection View Go Run Terminal Help
                                                                               buku.php - belajaroop - Visual Studio Code
        EXPLORER
                                     ⇔ buku.php 4_encapsulation X
⇔ koneksi.php 5_pewarisan
                                                                                               ndex.php 6_overriding_final
仚

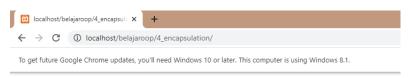
✓ BELAJAROOP

                                      4_encapsulation > 🐄 buku.php
                                             <?php
        > 1_class_object
        > 2_properties_method
        > 3_constructor_destructor
                                                 private $judul;

✓ 4_encapsulation

                                                 private $pengarang;
        💏 buku.php
                                                 private $penerbit;
        🐄 index.php
                                                 public function setjudul($title){
        > 5_pewarisan
留
                                                      $this->judul=$title;
        > 6_overriding_final
        > 7_contoh
                                                 public function setpengarang($author){
                                                      $this->pengarang=$author;
                                                 public function setpenerbit($publisher){
                                                      $this->pengarang=$publisher;
                                             ;>
```

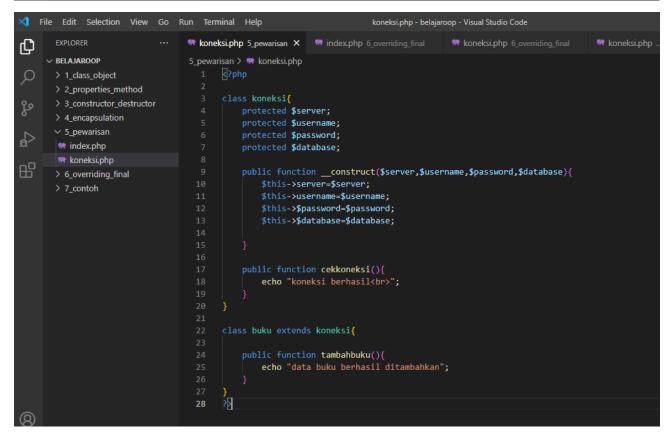




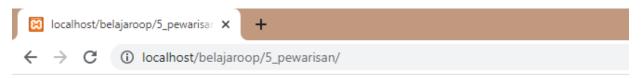
```
📢 File Edit Selection View Go Run Terminal Help
                                                                                index.php - belajaroop - Visual Studio Code
                                                tambah.php
                                                                                                             m buku.php ...\class
Ф
      ∨ BELAJAROOP
                                      5_pewarisan > 💝 index.php
       > 1_class_object
       > 2_properties_method
                                             include "koneksi.php";
       > 3_constructor_destructor
       > 4_encapsulation
                                             $objek=new koneksi('localhost','root','','buku');

√ 5_pewarisan

                                             $objek->cekkoneksi();
        📅 index.php
        💏 koneksi.php
                                             $objek1=new buku('localhost','root','','buku');
       > 6_overriding_final
                                             $objek1->cekkoneksi();
       > 7_contoh
                                             $objek1->tambahbuku();
```



Outout:



To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

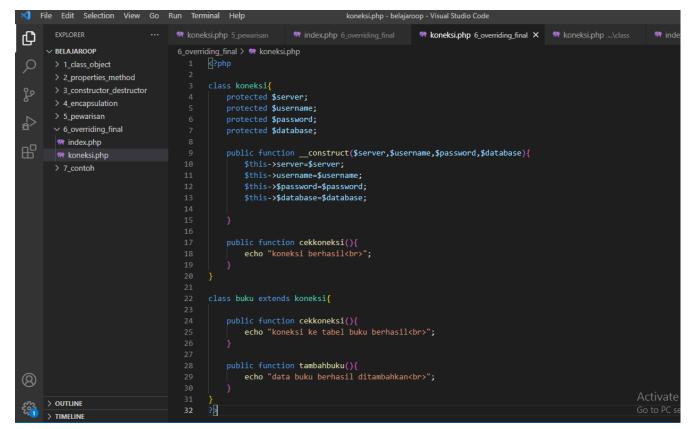
koneksi berhasil koneksi berhasil data buku berhasil ditambahkan

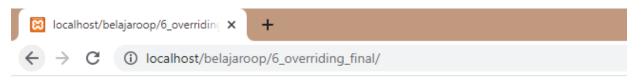
6.Overriding Final

```
Tile Edit Selection View Go Run Terminal Help
                                                                                                                                                                                                                                                                                                                                                                        index.php - belajaroop - Visual Studio Code
þ
                                     EXPLORER
                                                                                                                                                                           Regional Region (1984) Regional Regional Region (1984) Reg
                                                                                                                                                                                                                                                                                                          ndex.php 6_overriding_final X koneksi.php 6_overriding_final
                            ∨ BELAJAROOP
                                                                                                                                                                           6_overriding_final > 💝 index.php
                                     > 1_class_object
                                     > 2_properties_method
                                                                                                                                                                                                            include "koneksi.php";
                                     > 3_constructor_destructor
                                     > 4_encapsulation
                                                                                                                                                                                                             $objek=new koneksi('localhost','root','','buku');
                                    > 5_pewarisan
                                                                                                                                                                                                            $objek->cekkoneksi();

√ 6_overriding_final

                                      🐄 index.php
 船
                                                                                                                                                                                                            $objek1=new buku('localhost','root','','buku');
                                       💏 koneksi.php
                                                                                                                                                                                                             $objek1->cekkoneksi();
                                     > 7_contoh
                                                                                                                                                                                                             $objek1->tambahbuku();
```





To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

koneksi berhasil koneksi ke tabel buku berhasil data buku berhasil ditambahkan

7.implementasi /contoh

Folder class:

• Buku php

```
buku.php - belajaroop - Visual Studio Code
                                                                                                                                                                Ф
                                                                                                                                                                    💏 buku.php
     ∨ BELAJAROOP [4 P7 ひ ⑤ 7_contoh > class > ♦ buku.php
       > 2_properties_method
                                          include "koneksi.php";
                                            class buku extends koneksi
       > 5_pewarisan
                                                 public function tampilsemua()

√ 7 contoh

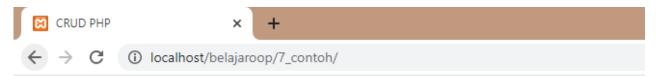
                                                     $query = "SELECT * FROM buku";
$sql = mysqli_query($this->koneksi, $query);
      w buku.php
koneksi.php
        > view
                                                     while ($data = mysqli_fetch_array($sql)) {
    $datas[] = $data;
        entrollerbuku.php
        😭 index.php
                                                     if (isset($datas)) {
                                                         return $datas;
                                                 public function tambahdata($judul, $pengarang, $penerbit)
                                                     $query = "INSERT INTO buku SET judul='{$judul}', pengarang='$pengarang', penerbit='{$penerbit}'";
                                                     mysqli_query($this->koneksi, $query);
```

Koneksi.php

```
📢 File Edit Selection View Go Run Terminal Help
                                                  ** koneksi.php ...\class X ** index.php 7_contoh ** tambah.php
ф
     ∨ BELAJAROOP 🖺 🛱 ひ 🗗 7_contoh > class > 🦬 koneksi.php
Q
      > 1_class_object
      > 2_properties_method
                                           private $server='localhost';
       > 3_constructor_destructor
                                             private $user='root';
       > 4_encapsulation
                                             private $pass='';
       > 5_pewarisan
                                             private $database='belajaroopnovla';
      > 6_overriding_final
                                             protected $koneksi;

√ 7 contoh

                                             public function __construct()
        m buku.php
                                                 $this->koneksi=mysqli_connect($this->server,$this->user,$this->pass,$this->database);
        🐡 koneksi.php
        > view
                                              public function cekkoneksi(){
       e controllerbuku.php
                                                 if(mysqli_connect_errno()){
       😭 index.php
                                                     echo "koneksi gagal";
```



To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

tambah data				
no	judul	pengarang	penerbit	aksi
1	malin kundang	novla	daramaulida	ubah hapus
2	DILAN	novla	jihan	<u>ubah hapus</u>
3	Bang muslim	novla	jihan	ubah hapus
4	coba	ahmadi	muslim	ubah hapus

Folder view:

Tambah php

```
刘 File Edit Selection View Go Run Terminal Help
                                                                             tambah.php - belajaroop - Visual Studio Code
                                                     ** koneksi.php ...\class
                                                                              mindex.php 7_contoh
                                                                                                      tambah.php X 💝 ubah.php
ф
     ∨ BELAJAROOP 🖺 ➪ ひ 🗗 7_contoh > view > 🦬 tambah.php
                                      1 <!DOCTYPE html>
       > 1_class_object
                                            <html lang="en"
       > 2_properties_method
       > 3_constructor_destructor
                                               <meta charset="UTF-8">
       > 4_encapsulation
                                                <meta name="viewport" content="width=device-width, initial-scale=1.0">
       > 5_pewarisan
                                                <title>tambah data buku</title>
       > 6_overriding_final

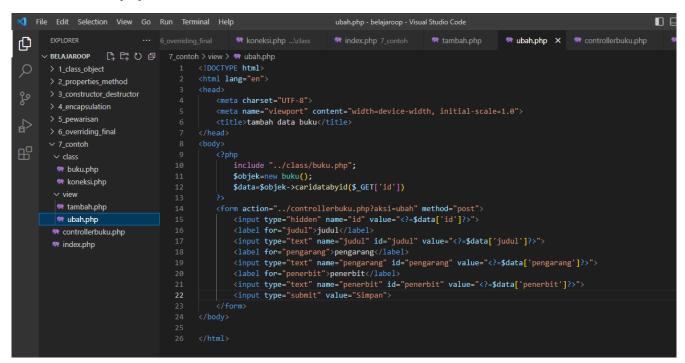
√ 7 contoh

                                                <form action="../controllerbuku.php?aksi=tambah" method="post">

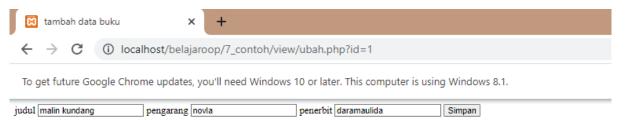
∨ class

                                               <label for="judul">judul</label>
         m buku.php
                                                <input type="text" name="judul" id="judul">
         m koneksi.php
                                                <label for="pengarang">pengarang</label>
                                               <input type="text" name="pengarang" id="pengarang">
                                              <label for="penerbit">penerbit</label>
<input type="text" name="penerbit" id="penerbit">
         m tambah.php
         💏 ubah.php
                                               <input type="submit" value="simpan">
        entrollerbuku.php
        😭 index.php
```

Ubah php



Output:



```
🤲 controllerbuku.php 🗙 💮 💝 bu
∨ BELAJAROOP [4 日 ひ 回 7_contoh > ♠ controllerbuku.php
  > 2_properties_method
 > 3_constructor_destructor
                             include "class/buku.php";

$buku=new buku();

$aksi=$_GET['aksi'];
  > 4_encapsulation
  $buku->tambahdata($_POST['judul'],$_POST['pengarang'],$_POST['penerbit']);

✓ class

                       10 }elseif($aksi=='hapus'){
11 $buku->hapusdata($_GET['id']);
12
   💏 buku.php
   👫 koneksi.php
   ∨ view
                                   }elseif($aksi=='ubah'){
   😝 tambah.php
                                     $buku->ubahdata($_POST['id'],$_POST['judul'],$_POST['pengarang'],$_POST['penerbit']);
w ubah.php 15
controllerbuku.php 16
                                  header("location:index.php");
   🐄 index.php
```

Folder index.php

```
Ф
                        ∨ BELAJAROOP [ Tage 1 Tage 2 Tage 3 
                                 > 2_properties_method
                                                                                                                                                     6
7 <!DOCTYPE html>
8 <html lang="en">
9 <head>
                                > 6_overriding_final

> 7_contoh

> class

buku.php

koneksi.php
                                                                                                                                                                                                     ∨ view
                                      💏 tambah.php
                                      💏 ubah.php
                                                                                                                                                                                                                           <a href="view/tambah.php">tambah data</a>
                                   controllerbuku.php
                     💝 index.php
                                                                                                                                                                                                                                                                  judul
                                                                                                                                                                                                                                                                    pengarang
                                                                                                                                                                                                                                                             penerbit
aksi
```