

# Kelas PHP



Pemrograman Web  
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## Kelas

- Didukung oleh PHP 5
- PHP 4 belum mendukung kelas
- Dibuat agar kode program lebih terstruktur, dan bisa dipakai ulang untuk program yang lain, misal kelas koneksi ke basis data

## Implementasi Kelas: Kelas Basis Data

```
class DBClass {  
  
    var $db_host = ''; // host dari basis data  
    var $db_user = ''; // user basis data data  
    var $db_password = ''; // password basis data  
    var $db_name = ''; // nama basis data  
    var $db_link = ''; // nama basis data  
    var $result = 0;  
  
    function DBClass($db_host='', $db_user='', $db_password='', $db_name='') {  
        //konstruktor  
        $this->db_host = $db_host;  
        $this->db_user = $db_user;  
        $this->db_password = $db_password;  
        $this->db_name = $db_name;  
    }  
  
    function open() {  
        //membuka koneksi  
        $this->db_link = mysql_connect($this->db_host, $this->db_user, $this->db_password);  
        mysql_select_db($this->db_name, $this->db_link);  
    }  
}
```

## Implementasi Kelas: Kelas Basis Data

```
function execute($query="") {  
    //mengeksekusi query  
    $this->result = mysql_query($query, $this->db_link);  
    //echo $query."<br/><br/>";  
    return $this->result;  
}  
  
function getResult() {  
    //mengambil hasil eksekusi query  
    return mysql_fetch_row($this->result);  
}  
  
function close() {  
    //menutup koneksi  
    mysql_close($this->db_link);  
}
```

# Implementasi Kelas: Kelas Tabel Extend Kelas Basis Data

```
class tlogin extends DBClass{

    function insert($username, $password){
        //memasukkan data login
        $query = "INSERT INTO tlogin(Username, Password) ";
        $query .= "VALUES ('".$username."' , '".$md5($password)."' ) ";
        return $this->execute($query);
    }

    function getCount($username, $password){
        //mengambil jumlah data login yang memenuhi syarat
        $query = "SELECT COUNT(*) FROM tlogin ";
        $query .= "WHERE ((Username='".$username."') ";
        $query .= "AND (Password='".$md5($password)."' ) ";
        return $this->execute($query);
    }
}
```

## Pemakaian Kelas Extend

```
include("conf.php");
include($include_dir."/DBClass.class.php");
include($include_dir."/tlogin.class.php");

$tlogin = new tlogin($db_host, $db_user, $db_password, $db_name);
$tlogin->open();
$tlogin->insert($username, $password);

$tlogin->getCount($username, $password);
if(list($count) = $tlogin->getResult()){
    echo $count."<br/>";
}
$tlogin->close();
```

## Kelas untuk Membaca HTML

```
class Template (
    var $filename = ''; //handle file
    var $content = ''; //handle isi file

    function Template($filename = '') //konstruktor
    {
        $this->filename = $filename;
        $this->content = implode('', @file($filename));
    }

    function clear() //membersihkan isi kode yang seharusnya diganti
    {
        $this->content = preg_replace("/DATA_[A-Z]_[0-9]+/", "", $this->content);
    }

    function write() //menuliskan isi file ke layar
    {
        $this->clear();
        print $this->content;
    }

    function replace($old = '', $new = '') //mengganti kode dalam file
    {
        if (is_int($new)) {
            $value = sprintf("%d", $new);
        }elseif (is_float($new)) {
            $value = sprintf("%f", $new);
        }elseif (is_array($new)) {
            $value = '';
            foreach ($new as $item) {
                $value .= $item.' ';
            }
        }else {
            $value = $new;
        }
        $this->content = preg_replace("/$old/", $value, $this->content);
    }
}
```

## Penggunaan Kelas Template

- File main.html

```
<html>
<head>
<title>Menggunakan Kelas PHP</title>
</head>
<body>
    Disini Akan tampil replace nya
    <br/><br/>
    DATA_MUNCUL1
    <br/><br/>
    DATA_MUNCUL2
</body>
</html>
```

# Penggunaan Kelas Template

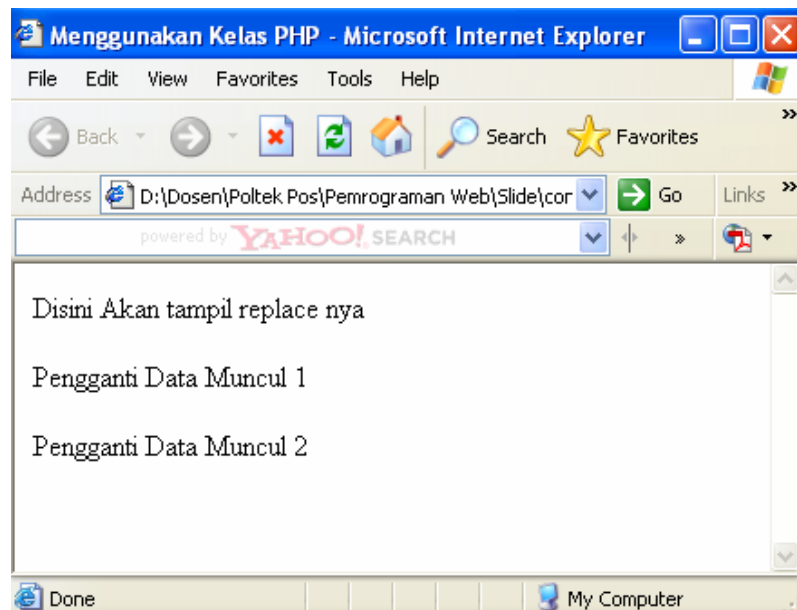
- misal disimpan dalam *file* baca.php

```
include ("include/Template.class.php");

$tpl = new Template ("templates/main.html");
$tpl->replace ("DATA_MUNCUL1", "Pengganti Data Muncul 1");
$tpl->replace ("DATA_MUNCUL2", "Pengganti Data Muncul 2");
$tpl->write ();
```

# Penggunaan Kelas Template

- Hasil tampilan baca.php





## Manfaat Kelas Template

- Kita bisa mengganti-ganti file HTML yang satu dengan yang lain tanpa mengubah kode PHP-nya