

TUGAS PRAKTIKUM CRUD-OOP-PHP WEEK 11

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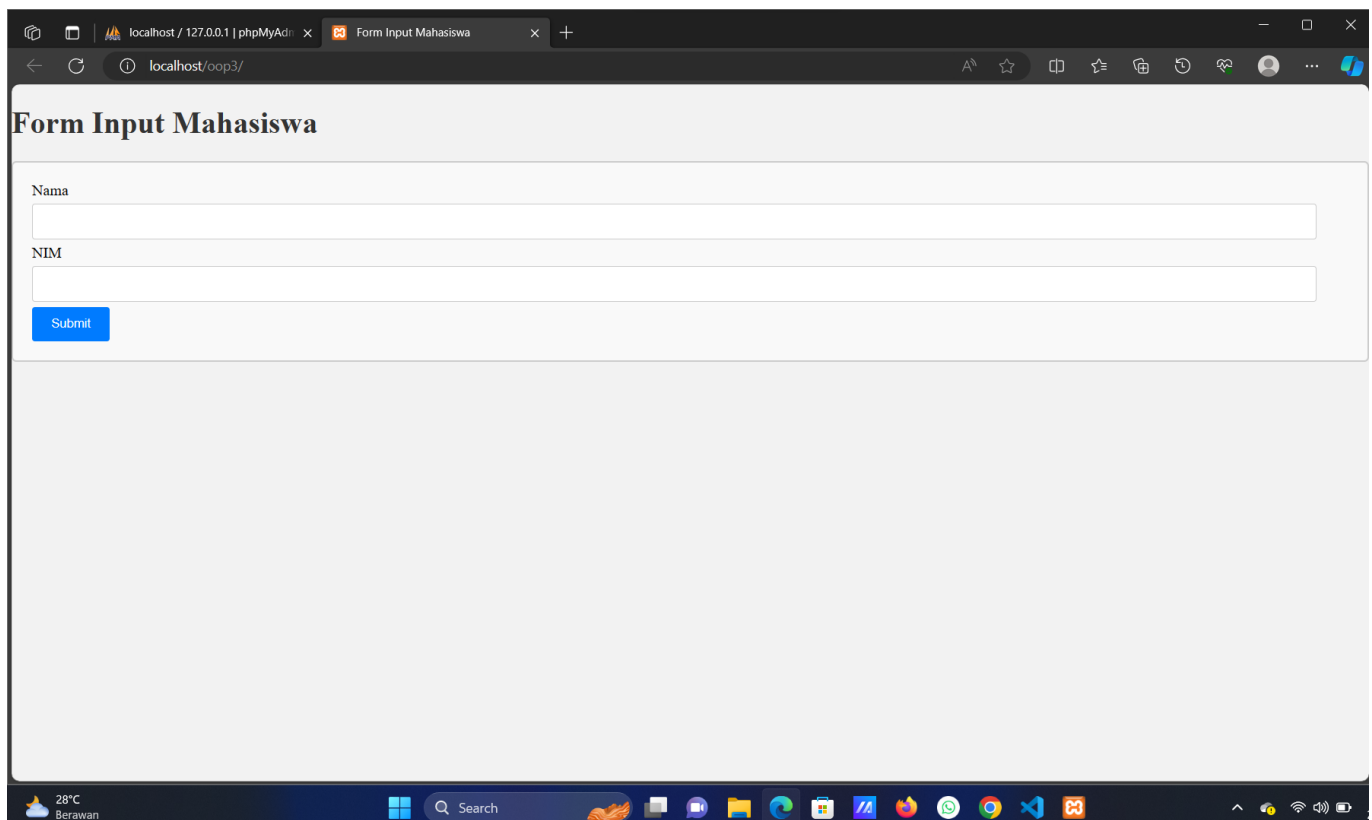
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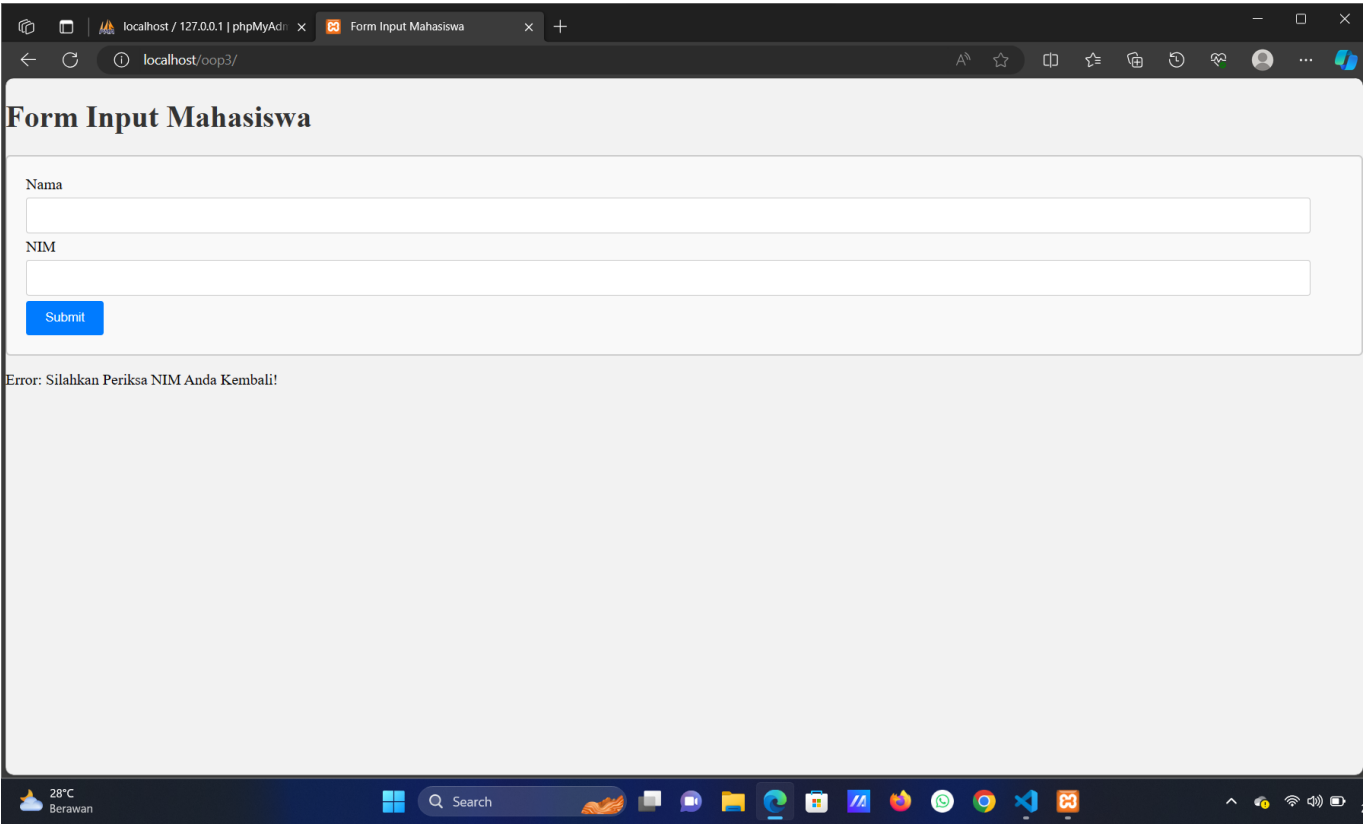
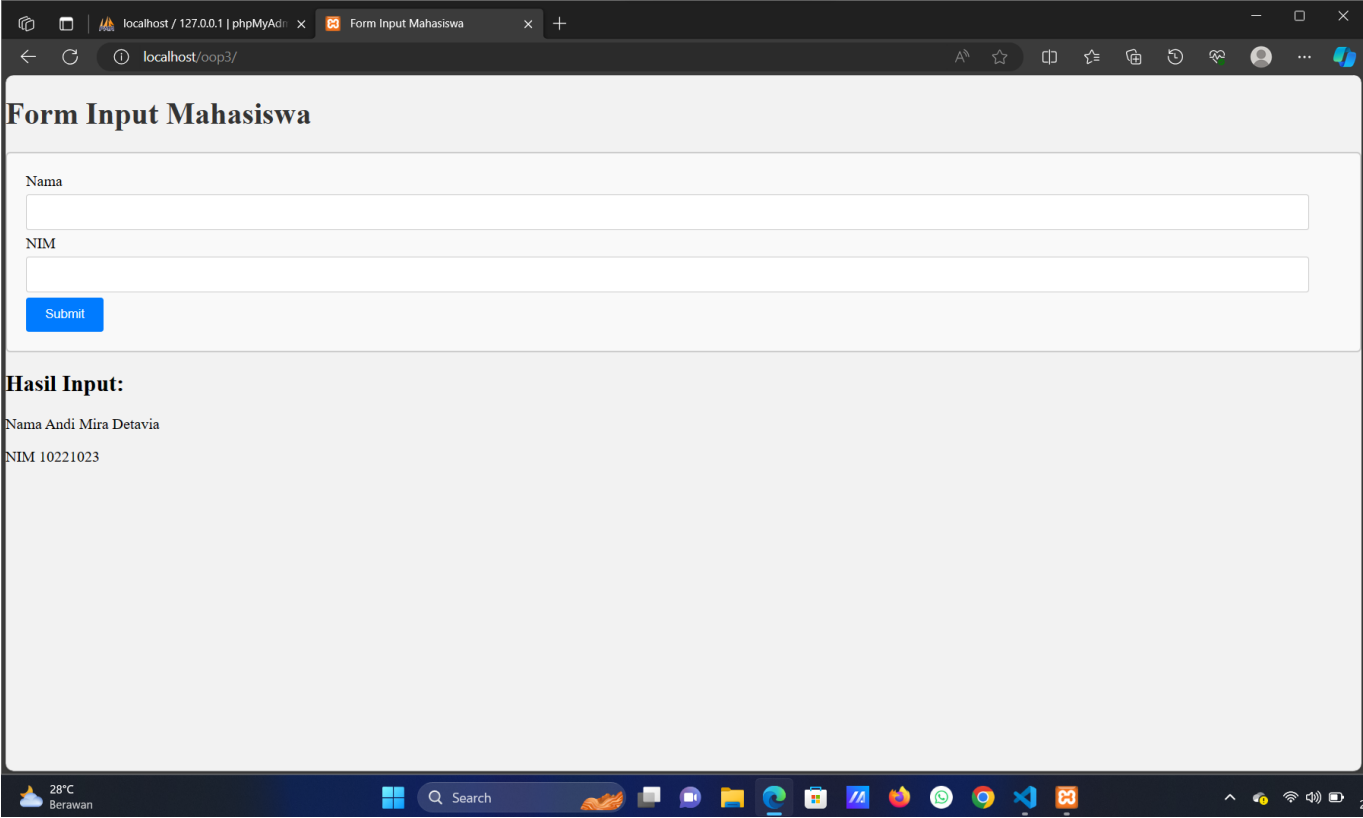
Tugas :

Buat form input nama dan nim mahasiswa (tanpa database) dengan mengaplikasikan namespace dan autoload composer. Aplikasikan juga Exception/Error Handling ketika nim yang diinput kurang dari 8 angka (sesuai dengan nim ITK : 10201054).

Tampilan :



The screenshot displays a web browser window with the title 'Form Input Mahasiswa'. The browser's address bar shows 'localhost/oop3/'. The form itself is simple, with a title 'Form Input Mahasiswa' at the top. Below the title, there are two input fields: one labeled 'Nama' and another labeled 'NIM'. A blue 'Submit' button is positioned below the 'NIM' field. The browser window is open on a Windows operating system, as evidenced by the taskbar at the bottom, which shows various application icons and the system clock indicating 28°C in Berawan.



Code Source :

Membuat Namespace

Membuat folder APP

-> Folder AnotherClass

APP/AnotherClass/AnotherClass.php

```
<?php
    namespace AnotherClass;

    class AnotherClass {
        public function sayHello() {
            echo "Hello from AnotherClass in AnotherClass!\n";
        }
    }
?>
```

-> Folder MyClass

APP/MyClass/MyClass.php

```
<?php

namespace MyClass;

class MyClass
{
    private $nama;
    private $nim;

    public function setNama($nama)
    {
        $this->nama = $nama;
    }

    public function setNim($nim)
    {
        if (preg_match('/^\d{8}$/', $nim)) {
            $this->nim = $nim;
        } else {
            throw new \InvalidArgumentException("Silahkan Periksa NIM Anda Kembali!");
        }
    }
}
```

```
    public function getNama()  
    {  
        return $this->nama;  
    }  
  
    public function getNim()  
    {  
        return $this->nim;  
    }  
}
```

Membuat Autoload

Folder vendor

Dimana folder vendor sendiri akan muncul setelah menginstall composer.

```
vendor/Autoload.php  
  
<?php  
  
// autoload.php @generated by Composer  
  
if (PHP_VERSION_ID < 50600) {  
    if (!headers_sent()) {  
        header('HTTP/1.1 500 Internal Server Error');  
    }  
    $err = 'Composer 2.3.0 dropped support for autoloading on PHP <5.6 and you are  
running '.PHP_VERSION.', please upgrade PHP or use Composer 2.2 LTS via "composer  
self-update --2.2". Aborting.'.PHP_EOL;  
    if (!ini_get('display_errors')) {  
        if (PHP_SAPI === 'cli' || PHP_SAPI === 'phpdbg') {  
            fwrite(STDERR, $err);  
        } elseif (!headers_sent()) {  
            echo $err;  
        }  
    }  
    trigger_error(  
        $err,  
        E_USER_ERROR  
    );  
}  
  
require_once __DIR__ . '/composer/autoload_real.php';  
  
return ComposerAutoloaderInitb0adfcd3e9dcf779fa2d38662e46a69::getLoader();
```

Membuat Tampilan

Membuat file index

```
index.php

<?php

require 'vendor/autoload.php';

use MyClass\MyClass;

$nama = $nim = '';
$error = '';

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $myclass = new MyClass();

    try {
        $myclass->setNama($_POST['nama']);
        $myclass->setNim($_POST['nim']);

        $nama = $myclass->getNama();
        $nim = $myclass->getNim();
    } catch (Exception $e) {
        $error = "Error: " . $e->getMessage();
    }
}

?>

<!DOCTYPE html>
<html>
<head>
<style>
    /* style.css */

    /* Gaya untuk body (halaman) */
    body {
        font-family: Times New Roman, sans-serif;
        background-color: #f2f2f2;
        margin: 0;
        padding: 0;
    }

    /* Gaya untuk kontainer utama */
    .container {
        max-width: 800px;
        margin: 0 auto;
        padding: 20px;
        background-color: #fff;
    }
}
```

```
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }

    /* Gaya untuk judul */
    h1 {
        color: #333;
    }

    /* Gaya untuk formulir input */
    form {
        background-color: #f9f9f9;
        padding: 20px;
        border: 2px solid #ccc;
        border-radius: 5px;
    }

    input[type="text"] {
        width: 96%;
        padding: 10px;
        margin: 5px 0;
        border: 1px solid #ccc;
        border-radius: 3px;
    }

    input[type="submit"] {
        background-color: #007BFF;
        color: #fff;
        border: none;
        padding: 10px 20px;
        border-radius: 3px;
        cursor: pointer;
    }

    input[type="submit"]:hover {
        background-color: #0056b3;
    }

    /* Gaya untuk pesan kesalahan */
    .error-message {
        color: #ff0000;
    }

    /* Gaya untuk tabel */
    table {
        width: 100%;
        border-collapse: collapse;
        margin-top: 20px;
    }

    th, td {
        border: 1px solid #ccc;
        padding: 8px;
        text-align: left;
    }
```

```

    th {
        background-color: #007BFF;
        color: #fff;
    }

    /* Gaya untuk tautan (link) */
    a {
        color: #007BFF;
        text-decoration: none;
    }

    a:hover {
        text-decoration: underline;
    }
</style>
<title>Form Input Mahasiswa</title>
</head>
<body>
    <h1>Form Input Mahasiswa</h1>
    <form method="POST" action="">
        Nama <input type="text" name="nama" required><br>
        NIM <input type="text" name="nim" required><br>
        <input type="submit" value="Submit">
    </form>

    <?php if (!empty($error)): ?>
    <p><?php echo $error; ?></p>
    <?php endif; ?>

    <?php if (!empty($nama) && !empty($nim)): ?>
    <h2>Hasil Input:</h2>
    <p>Nama <?php echo $nama; ?></p>
    <p>NIM <?php echo $nim; ?></p>
    <?php endif; ?>
</body>
</html>

```

Membuat file css

```

style.css
/* style.css */

/* Gaya untuk body (halaman) */
body {
    font-family: Times New Roman, sans-serif;
    background-color: #4d33e2;
    margin: 0;
    padding: 0;
}

```

```
}

/* Gaya untuk kontainer utama */
.container {
    max-width: 800px;
    margin: 0 auto;
    padding: 20px;
    background-color: #fff;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

/* Gaya untuk judul */
h1 {
    color: #333;
}

/* Gaya untuk formulir input */
form {
    background-color: #f9f9f9;
    padding: 20px;
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    background-color: #007BFF;
    color: #fff;
    border: none;
    padding: 10px 20px;
    border-radius: 3px;
    cursor: pointer;
}

input[type="submit"]:hover {
    background-color: #0056b3;
}

/* Gaya untuk pesan kesalahan */
.error-message {
    color: #ff0000;
}

/* Gaya untuk tabel */
table {
    width: 100%;
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```
        margin-top: 20px;
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        border: 1px solid #ccc;
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        background-color: #007BFF;
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