

## PHP MYSQL

(koneksi, tampil data, tambah data, ubah data, hapus data)

### 1. Buat database dan tabel

Buatlah database dan tabel dari PHPMysql (localhost/phpmyadmin) dengan struktur database sebagai berikut:

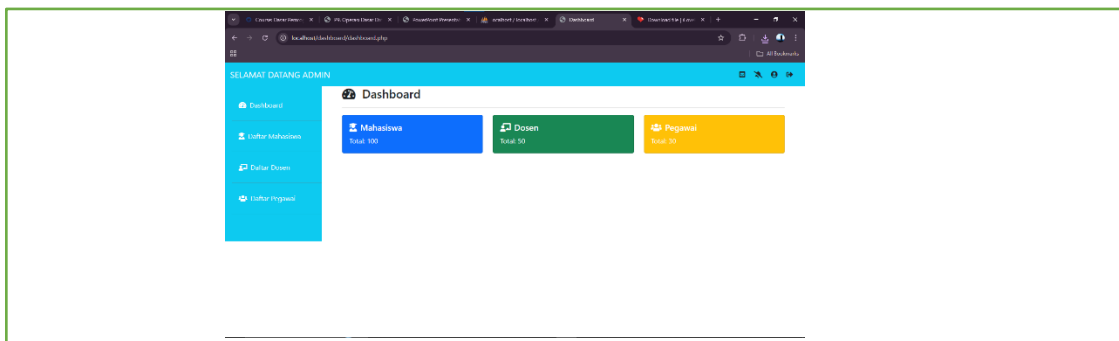
- Nama Database : akademik
- Nama Tabel : **mahasiswa**
- Struktur tabel : nim Char(10)  
nama Varchar(30)  
jurusan Varchar(30)  
angkatan Varchar(30)
- Nama tabel : **dosen**
- Struktur tabel: nidn char (10)  
nama Varchar(30)  
alamat Varchar(30)  
jabatan Varchar(10)
- Nama tabel : **pegawai**
- nik char(10)  
nama Varchar(30)  
bagian Varchar(20)

-

- Isi data mahasiswa sebanyak 2 baris data

### 2. Download folder dashboard yang tersedia dilearning kemudian extract kedalam folder **xampp/htdocs** atau **laragon/www**

- Jalankan di browser url: **localhost/dashboard**
- Tuliskan hasilnya dibawah ini :



### 3. Koneksi

- Buat file baru ketikkan kode berikut simpan di dalam folder admin yang sudah di download dengan nama **koneksi.php**

```
<?php
$host = "localhost";
$user = "root";
$pass = "";
$db = "akademik"; //Nama Database
// melakukan koneksi ke db
$koneksi = mysqli_connect($host, $user, $pass, $db);
if(!$koneksi){
    echo "Gagal konek: " . die(mysqli_error($koneksi));
}
```

- Buat file baru dengan nama mahasiswa.php, ketikkan kode berikut:

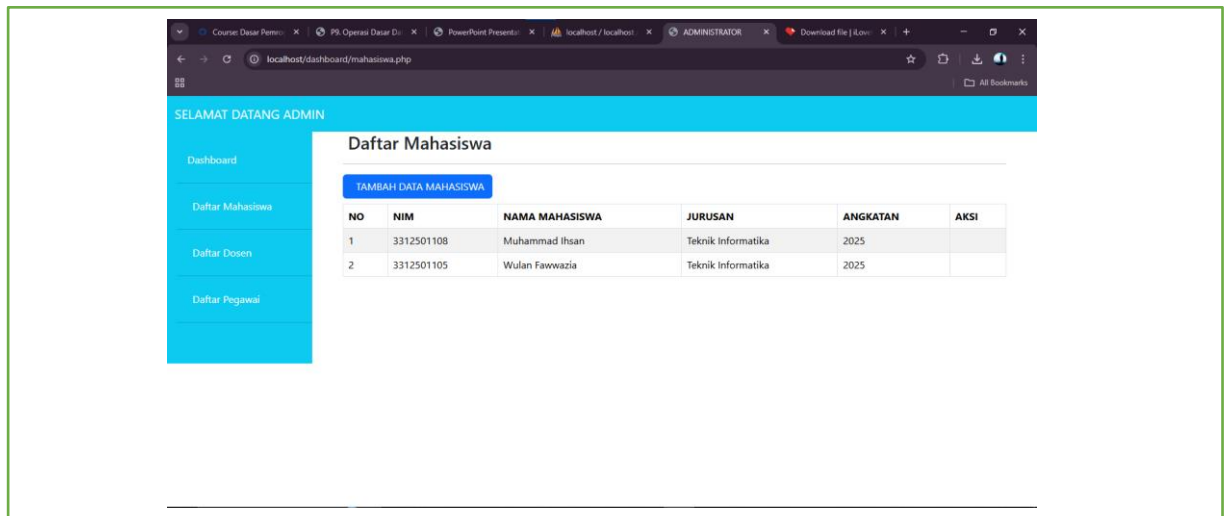
```
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
  <link rel="stylesheet" type="text/css" href="admin.css">
  <link rel="stylesheet" type="text/css" href="https://cdn.jsdelivr.net/npm/bootstrap@5.15.4/css/all.min.css">
  <title>ADMINISTRATOR</title>
  <style>
    .nav-link:hover {
      background-color: gold;
      color: white !important;
    }
  </style>
</head>
<body>
  <nav class="navbar navbar-expand-lg navbar-light bg-info fixed-top">
    <div class="container-fluid">
      <a class="navbar-brand text-white" href="#">SELAMAT DATANG ADMIN</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <div class="ms-auto d-flex align-items-center">
          <div class="icon">
            <i class="fas fa-envelope-square me-3"></i>
            <i class="fas fa-bell-slash me-3"></i>
            <i class="fas fa-user-circle me-3"></i> <!-- Profil User Icon -->
            <i class="fas fa-sign-out-alt me-3"></i>
          </div>
        </div>
      </div>
    </div>
  </nav>
  <div class="row g-0 mt-5">
    <!-- Sidebar -->
    <div class="col-md-2 bg-info mt-2 pt-4">
      <ul class="nav flex-column ms-3 mb-5">
        <li class="nav-item">
          <a class="nav-link active text-white" href="dashboard.php"><i class="fas fa-tachometer-alt me-2"></i>Dashboard</a><hr class="bg-secondary"> </li>
        <li class="nav-item">
          <a class="nav-link text-white" href="mahasiswa.php"><i class="fas fa-user-graduate me-2"></i>Daftar Mahasiswa</a><hr class="bg-secondary"> </li>
        <li class="nav-item">
          <a class="nav-link text-white" href="#"><i class="fas fa-chalkboard-teacher me-2"></i>Daftar Dosen</a><hr class="bg-secondary"> </li>
        <li class="nav-item">
          <a class="nav-link text-white" href="#"><i class="fas fa-users me-2"></i>Daftar Pegawai</a><hr class="bg-secondary"> </li>
      </ul>
    </div>
  </div>
```

```

<div class="col-md-10 p-5 pt-2">
  <h3><i class="fas fa-user-graduate me-2"></i> Daftar Mahasiswa</h3><hr>
  <button type="button" class="btn btn-primary mb-2" data-bs-toggle="modal" data-bs-
target="#tambahDataModal">
    <i class="fas fa-plus-circle me-2"></i> TAMBAH DATA MAHASISWA
  </button>
  <table class="table table-striped table-bordered">
    <thead>
      <tr>
        <th scope="col">NO</th>
        <th scope="col">NIM</th>
        <th scope="col">NAMA MAHASISWA</th>
        <th scope="col">JURUSAN</th>
        <th scope="col">ANGKATAN</th>
        <th scope="col">AKSI</th>
      </tr>
    </thead>
    <tbody>
      <?php
include 'koneksi.php';
$query = mysqli_query($koneksi, "SELECT * FROM mahasiswa");
$no = 1;
while ($data = mysqli_fetch_assoc($query)) {
  ?>
  <tr>
    <td><?php echo $no++; ?></td>
    <td><?php echo $data['nim']; ?></td>
    <td><?php echo $data['nama']; ?></td>
    <td><?php echo $data['jurusan']; ?></td>
    <td><?php echo $data['angkatan']; ?></td>
    <td>
      </td>
    </td>
  </tr>
  <?php
}
?>
</tbody>
</table>
</div>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>

```

- Jalankan di web browser tuliskan hasilnya dibawah ini

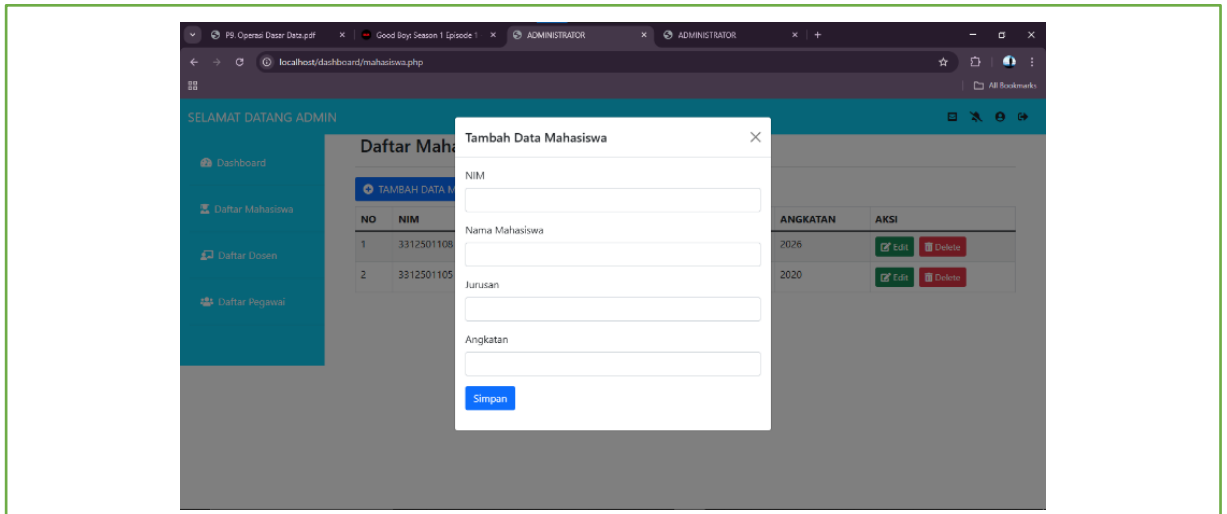


- Menambah data, buka kembali file mahasiswa.php tambahkan kode berikut:

```
<div class="col-md-10 p-5 pt-2">
<h3><i class="fas fa-user-graduate me-2"></i> Daftar Mahasiswa</h3><hr>
<button type="button" class="btn btn-primary mb-2" data-bs-toggle="modal" data-bs-target="#tambahDataModal">
  <i class="fas fa-plus-circle me-2"></i>TAMBAH DATA MAHASISWA
</button>

<!-- Modal tambah Data -->
<div class="modal fade" id="tambahDataModal" tabindex="-1" aria-labelledby="tambahDataLabel" aria-hidden="true">
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <h5 class="modal-title" id="tambahDataLabel">Tambah Data Mahasiswa</h5>
        <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
      </div>
      <div class="modal-body">
        <form action="tambah_mhs.php" method="POST">
          <div class="mb-3">
            <label for="nim" class="form-label">NIM</label>
            <input type="text" class="form-control" id="nim" name="nim" required>
          </div>
          <div class="mb-3">
            <label for="nama" class="form-label">Nama Mahasiswa</label>
            <input type="text" class="form-control" id="nama" name="nama" required>
          </div>
          <div class="mb-3">
            <label for="jurusan" class="form-label">Jurusan</label>
            <input type="text" class="form-control" id="jurusan" name="jurusan" required>
          </div>
          <div class="mb-3">
            <label for="angkatan" class="form-label">Angkatan</label>
            <input type="text" class="form-control" id="angkatan" name="angkatan" required>
          </div>
          <button type="submit" class="btn btn-primary">Simpan</button>
        </form>
      </div>
    </div>
  </div>
</div>
```

- Jalankan di web browser tuliskan hasilnya dibawah ini

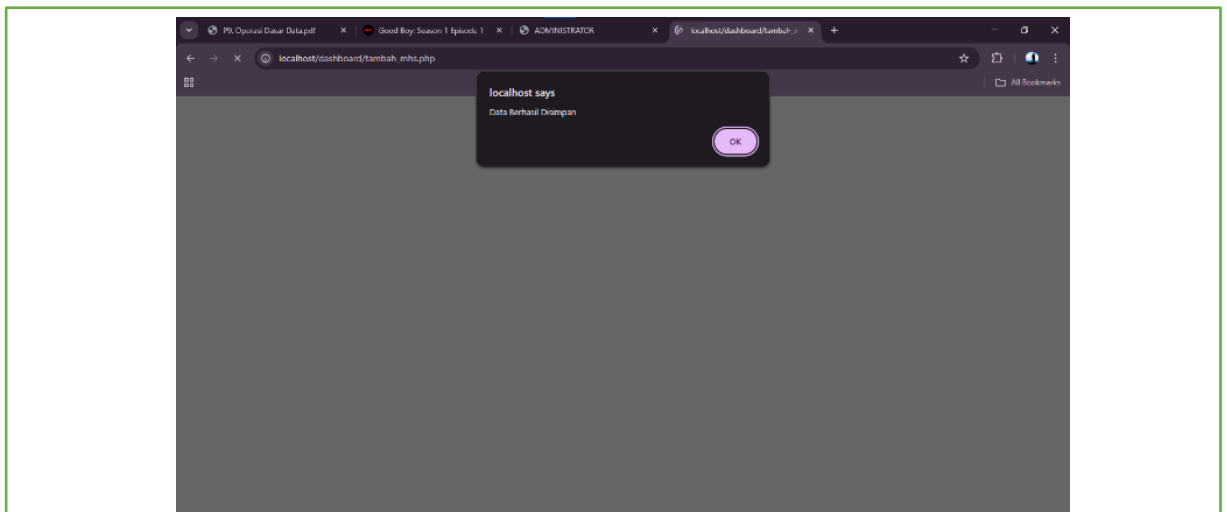


- Buat file baru simpan dengan nama file **tambah\_mhs.php** ketikkan kode berikut:

```
<?php
include 'koneksi.php';
$nim = $_POST['nim'];
$nama = $_POST['nama'];
$jurusan = $_POST['jurusan'];
$angkatan = $_POST['angkatan'];
$input = mysqli_query($koneksi, "INSERT INTO mahasiswa (nim, nama, jurusan, angkatan) VALUES('$nim', '$nama', '$jurusan', '$angkatan')") or die(mysqli_error($koneksi));

if($input){
    echo "<script>
        alert('Data Berhasil Disimpan');
        window.location.href = 'mahasiswa.php';
    </script>";
} else {
    echo "<script>
        alert('Gagal Menyimpan Data');
        window.location.href = 'mahasiswa.php';
    </script>";
}
?>
```

- Jalankan di web browser tuliskan hasilnya dibawah ini



### **Kegiatan Praktikum**

Buatlah program untuk menampilkan dan menambah data untuk tabel dosen dan pegawai, selanjutnya upload hasil praktikum dalam bentuk zip.