Reinhard Efraim Situmeang

Soal No.1

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Calculator</title>
</head>
<body>
    <div class="cal">
        <input type="text" id="input1" disabled>
        <div class="buttons">
            <input type="button" value="+" onclick="data('+')">
            <input type="button" value="-" onclick="data('-')">
            <input type="button" value="*" onclick="data('*')">
            <input type="button" value="/" onclick="data('/')">
        </div>

        <div>
            <div>
                <div>
                    <input type="button" value="7" onclick="data(7)">
                    <input type="button" value="8" onclick="data(8)">
                    <input type="button" value="9" onclick="data(9)">
                </div>

                <div>
                    <input type="button" value="4" onclick="data(4)">
                    <input type="button" value="5" onclick="data(5)">
                    <input type="button" value="6" onclick="data(6)">
                </div>

                <div>
                    <input type="button" value="1" onclick="data(1)">
                    <input type="button" value="2" onclick="data(2)">
                    <input type="button" value="3" onclick="data(3)">
                </div>

                <div>
                    <input type="button" value="0" onclick="data(0)">
                    <input type="button" value="." onclick="data('.')">
                    <input type="button" value="AC" onclick="clear()">
                </div>
            </div>
```

```html
            <div class="buttons">
                <input type="button" value="=" onclick="hitung()">
            </div>
        </div>
    </div>

    <script>
        let dataInput = "";

        function data(nilai) {
            dataInput += nilai;
            document.getElementById("input1").value = dataInput;
        }

        function clear() {
            // dataInput = "";
            document.getElementById("input1").value = "";
        }

        function hitung() {
            dataInput = eval(dataInput);
            document.getElementById("input1").value = dataInput;
        }

    </script>
</body>
</html>
```
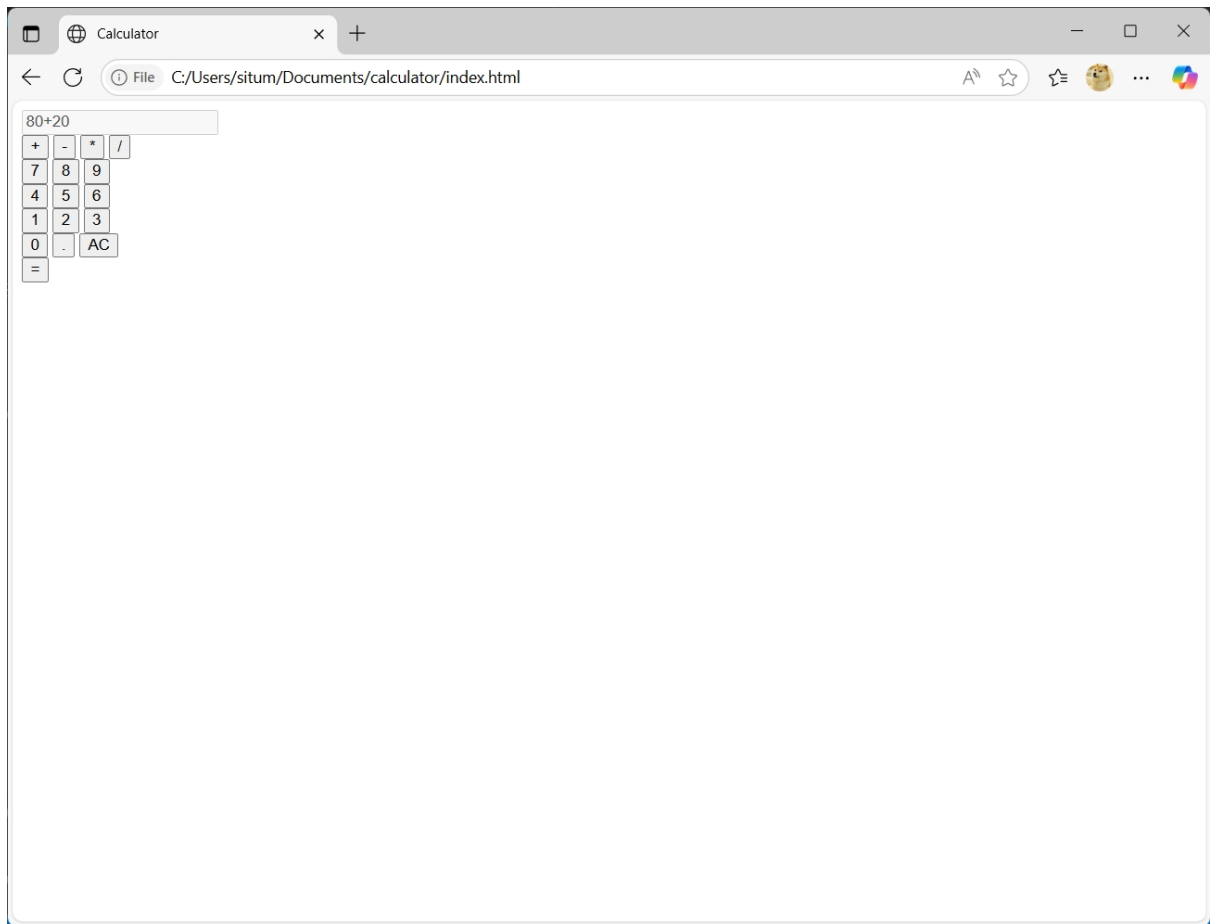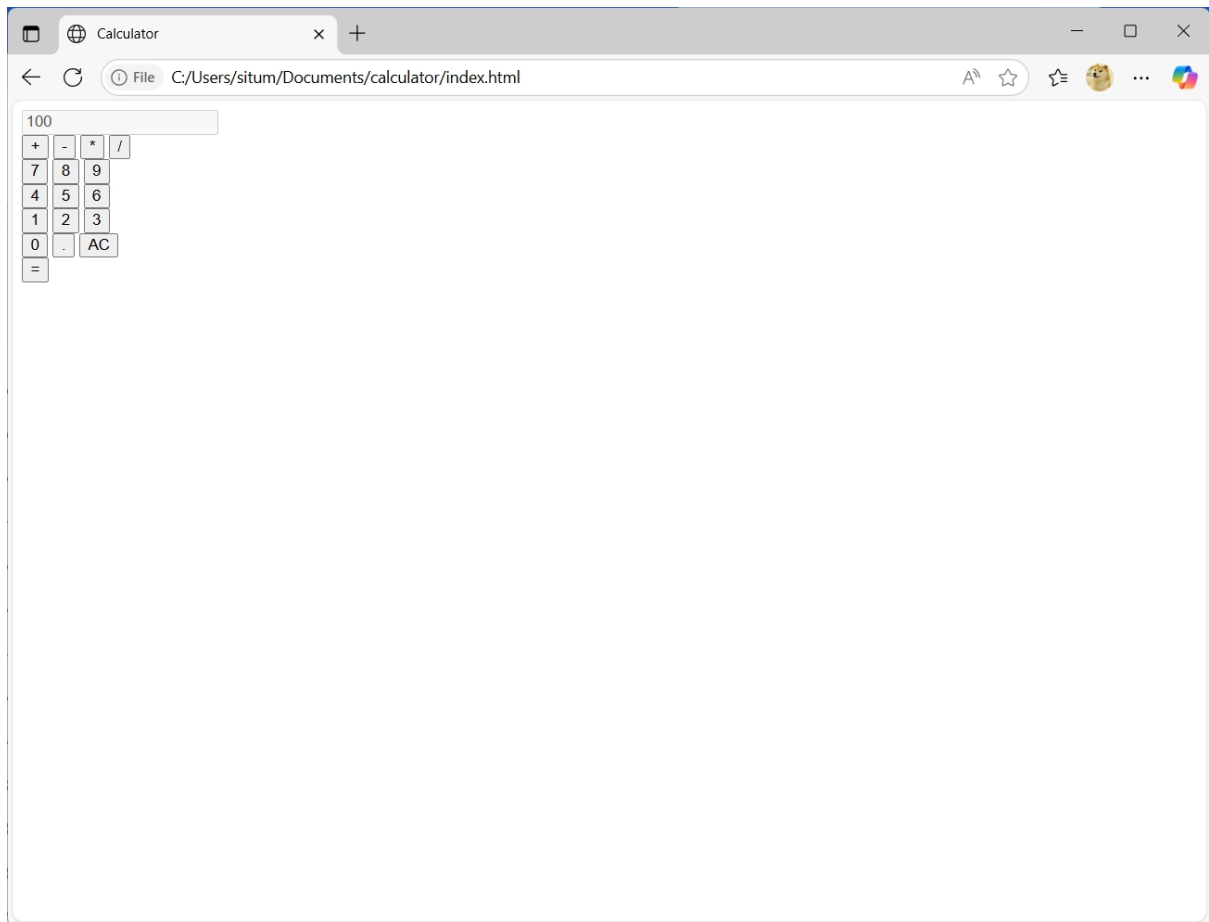
File C:/Users/situm/Documents/calculator/index.html

80+20

+	-	*	/
7	8	9	
4	5	6	
1	2	3	
0	.	AC	
=			

Soal No.2 (CRUD)

MovieController.php

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Models\Movies;

class MovieController extends Controller
{
    public function index(Request $request)
    {
        $query = Movies::query();

        if ($request->has('search')) {
            $query->where('nama', 'like', '%'.$request->search.'%');
        }

        $movies = $query->get();
```

```php
        return view('movies.index', compact('movies'));
    }

    public function create()
    {
        return view('movies.create');
    }

    public function store(Request $request)
    {
        $request->validate([
            'judul' => 'required',
            'durasi' => 'required|integer',
            'deskripsi' => 'required',
        ]);

        Movies::create($request->all());
        return redirect()->route('movies.index')->with('success', 'Film
berhasil ditambahkan.');
    }

    public function edit(Movies $movie)
    {
        return view('movies.edit', compact('movie'));
    }

    public function update(Request $request, Movies $movie)
    {
        $request->validate([
            'judul' => 'required',
            'durasi' => 'required|integer',
            'deskripsi' => 'required',
        ]);

        $movie->update($request->all());
        return redirect()->route('movies.index')->with('success', 'Film
berhasil diupdate.');
    }

    public function destroy(Movies $movie)
    {
        $movie->delete();
        return redirect()->route('movies.index')->with('success', 'Film
berhasil dihapus.');
    }
}
```

Movies.php (Model)

```php
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Model;

class Movies extends Model
{
    // use HasFactory;

    protected $fillable = ['judul', 'durasi', 'deskripsi'];
}
```

Db Migrate (ORM)

```php
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
    {
        Schema::create('movies', function (Blueprint $table) {
            $table->id();
            $table->string('judul');
            $table->integer('durasi');
            $table->string('deskripsi');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('movies');
    }
};
```

Web.php (Routes)

```php
<?php

use App\Http\Controllers\MovieController;

Route::resource('movies', MovieController::class)->except(['show']);
```

Index.blade.php

```html
<!DOCTYPE html>
<html>
<head>
    <title>Daftar Film</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
    <div class="container mt-5">
        <h1 class="mb-4">Daftar Film</h1>

        @if(session('success'))
            <div class="alert alert-success">{{ session('success') }}</div>
        @endif

        @if(session('error'))
            <div class="alert alert-danger">{{ session('error') }}</div>
        @endif

        <div class="col-md-4 d-flex gap-2">
            <a href="{{ route('movies.create') }}" class="btn btn-
success">Tambah Film Baru</a>
        </div>

        <div class="table-responsive">
            <table class="table table-bordered table-striped align-middle">
                <thead class="table-dark">
                    <tr>
                        <th>ID</th>
                        <th>Nama</th>
                        <th>Durasi</th>
                        <th>Deskripsi</th>
                        <th>Aksi</th>
                    </tr>
                </thead>
                <tbody>
                    @forelse($movies as $movie)
```

```
                    <tr>
                        <td>{{ $movie->id }}</td>
                        <td>{{ $movie->judul }}</td>
                        <td>{{ $movie->durasi }}</td>
                        <td>{{ $movie->deskripsi }}</td>
                        <td class="d-flex gap-1">
                            <a href="{{ route('movies.edit', $movie->id) }}"
class="btn btn-warning btn-sm">Edit</a>
                            <form action="{{ route('movies.destroy', $movie-
>id) }}" method="POST" style="display:inline-block;">
                                @csrf
                                @method('DELETE')
                                <button type="submit" class="btn btn-danger
btn-sm" onclick="return confirm('Yakin ingin menghapus film
ini?')">Hapus</button>
                            </form>
                        </td>
                    </tr>
                    @empty
                    <tr>
                        <td colspan="5" class="text-center">
                            @if(request('search'))
                                Tidak ada film ditemukan untuk "{{
request('search') }}"
                            @else
                                Belum ada film tersedia
                            @endif
                        </td>
                    </tr>
                    @endforelse
                </tbody>
            </table>
        </div>

    </div>
</body>
</html>
```

Create.blade.php

```
<!DOCTYPE html>
<html>
<head>
    <title>Tambah Film Baru</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
```

```html
<body>
<div class="container mt-5">
    <h1 class="mb-4">Tambah Film Baru</h1>

    @if($errors->any())
        <div class="alert alert-danger">
            <ul class="mb-0">
                @foreach($errors->all() as $error)
                    <li>{{ $error }}</li>
                @endforeach
            </ul>
        </div>
    @endif

    <form action="{{ route('movies.store') }}" method="POST">
        @csrf
        <div class="mb-3">
            <label class="form-label">Judul Film</label>
            <input type="text" name="judul" class="form-control" value="{{
old('judul') }}" required>
        </div>
        <div class="mb-3">
            <label class="form-label">Durasi</label>
            <input type="number" name="durasi" class="form-control" value="{{
old('durasi') }}" required>
        </div>
        <div class="mb-3">
            <label class="form-label">Deskripsi</label>
            <textarea name="deskripsi" class="form-control" rows="4"
required>{{ old('deskripsi') }}</textarea>
        </div>

        <div class="d-flex gap-2">
            <button type="submit" class="btn btn-success">Simpan Film</button>
            <a href="{{ route('movies.index') }}" class="btn btn-
secondary">Kembali</a>
        </div>
    </form>
</div>
</body>
</html>
```

Edit.blade.php

```html
<!DOCTYPE html>
<html>
<head>
    <title>Edit Film</title>
```

```html
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
    <div class="container mt-5">
        <h1>Edit Film</h1>

        @if($errors->any())
            <div class="alert alert-danger">
                @foreach($errors->all() as $error)
                    <p>{{ $error }}</p>
                @endforeach
            </div>
        @endif

        <form action="{{ route('movies.update', $movie->id) }}" method="POST">
            @csrf
            @method('PUT')
            <div class="mb-3">
                <label class="form-label">Judul Film</label>
                <input type="text" name="judul" class="form-control" value="{{
$movie->judul }}" required>
            </div>
            <div class="mb-3">
                <label class="form-label">Durasi</label>
                <input type="number" name="durasi" class="form-control"
value="{{ $movie->durasi }}" required>
            </div>
            <div class="mb-3">
                <label class="form-label">Deskripsi</label>
                <textarea name="deskripsi" class="form-control" required>{{
$movie->deskripsi }}</textarea>
            </div>
            <button type="submit" class="btn btn-primary">Update Film</button>
            <a href="{{ route('movies.index') }}" class="btn btn-
secondary">Kembali</a>
        </form>
    </div>
</body>
</html>
```

Output:

Tambah Film Baru

Judul Film

cek

Durasi

12

Deskripsi

jbnoe

Simpan Film   Kembali

Daftar Film

Film berhasil ditambahkan.

Tambah Film Baru

ID	Nama	Durasi	Deskripsi	Aksi
2	Test	200	apa aja	Edit Hapus
3	Test	120	Done?	Edit Hapus
4	cek	12	jbnoe	Edit Hapus

Edit Film

Judul Film

Test

Durasi

200

Deskripsi

apa aja

Update Film   Kembali

Daftar Film

Film berhasil diupdate.

Tambah Film Baru

ID	Nama	Durasi	Deskripsi	Aksi
2	Test	203	apa aja	Edit Hapus
3	Test	120	Done?	Edit Hapus
4	cek	12	jbnoe	Edit Hapus

Daftar Film

127.0.0.1:8000 says

Yakin ingin menghapus film ini?

OK   Cancel

Film berhasil diupdate.

Tambah Film Baru

ID	Nama	Durasi	Deskripsi	Aksi
2	Test	203	apa aja	Edit Hapus
3	Test	120	Done?	Edit Hapus
4	cek	12	jbnoe	Edit Hapus

Daftar Film

Film berhasil dihapus.

Tambah Film Baru

ID	Nama	Durasi	Deskripsi	Aksi
3	Test	120	Done?	Edit Hapus
4	cek	12	jbnoe	Edit Hapus