Langkah-langkah membuat db sampai menjadi CRUD

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1. buat nama database secara manual di db anda
2. create table ketik seperti digambar anda di cmd dan buat struktur tabel anda

```
C:\xampp\htdocs\pbwlaravel>php artisan make:migration create_tb_mahasiswa
        Created Migration: 2020_04_18_123415_create_tb_mahasiswa
```

2020_04_18_123415_create_tb_mahasiswa.php

```php
<?php

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

class CreateTbMahasiswa extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema :: create('tb_mahasiswa',function(Blueprint $table){
            $table->increments('id');
            $table->string('nama');
            $table->string('jeniskelamin');
            $table->string('tanggalLahir');
            $table->string('email');
            $table->string('notelfon');
            $table->string('jurusan');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('tb_mahasiswa');
    }
}

```

3. Buat tabel database menggunakan **php artisan migrate** Seperti Langkah-langkah berikut: agar table ini auto create di db anda

```
C:\xampp\htdocs\pbwlaravel>php artisan migrate
        Migrating: 2020_04_18_090205_create_tb_data_mahasiswa
Migrated:  2020_04_18_090205_create_tb_data_mahasiswa (0.05 seconds)
Migrating: 2020_04_18_123415_create_tb_mahasiswa
Migrated:  2020_04_18_123415_create_tb_mahasiswa (0.04 seconds)
```

4. Ini adalah tampilan table yang sudah di generate anda pada saat migrate pada cmd.

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0012 seconds.)

```
SELECT * FROM `tb_mahasiswa`
```

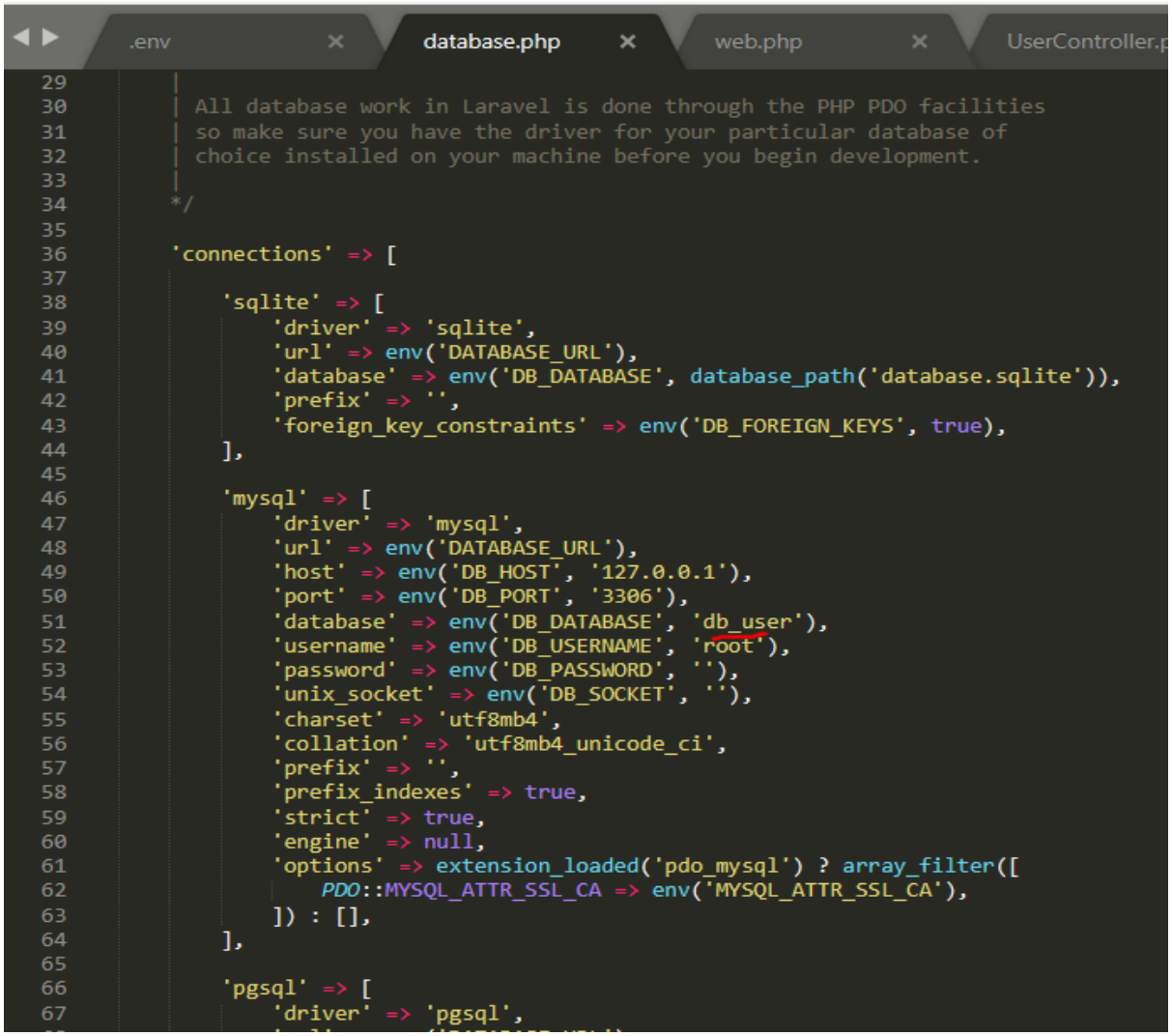
id	nama	jeniskelamin	tanggalLahir	email	notelfon	jurusan	created_at	updated_at

5.sesuaikan dengan nama db anda pergi ke file .env untuk mengubah nama database nya “DB_DATABASE” sisanya jika anda mau buat password bias membuat nya jika tidak kosongkan saja

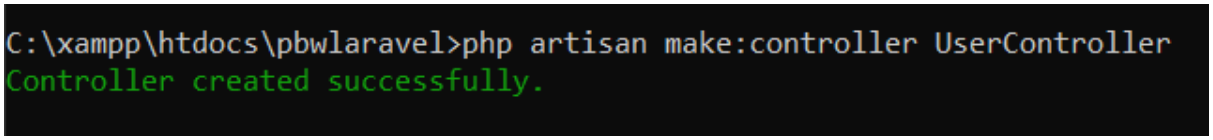
.env × web.php × UserCor

```
1   APP_NAME=Laravel
2   APP_ENV=local
3   APP_KEY=base64:mK5Q+wM4phOJKQgbZ0dRfl1zBnsFSI06LftDzoUYfnk=
4   APP_DEBUG=true
5   APP_URL=http://localhost
6
7   LOG_CHANNEL=stack
8
9   DB_CONNECTION=mysql
10  DB_HOST=127.0.0.1
11  DB_PORT=3306
12  DB_DATABASE=db_user
13  DB_USERNAME=root
14  DB_PASSWORD=
15
16  BROADCAST_DRIVER=log
17  CACHE_DRIVER=file
18  QUEUE_CONNECTION=sync
19  SESSION_DRIVER=file
20  SESSION_LIFETIME=120
21
22  REDIS_HOST=127.0.0.1
23  REDIS_PASSWORD=null
24  REDIS_PORT=6379
```

6. Terus ke folder database lalu ke database.php. Samakan isi nama database nya



5.controller create, ketik |php artisan make:controller … “nama controller anda”



6. Buat sebuah function pada web.php, pergi ke folder **Route|web.php,** buat lah function CRUD anda

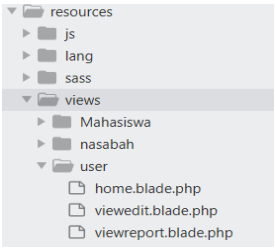
web.php | UserController.php | home.blade.php | viewedit.bl

```php
<?php

use Illuminate\Support\Facades\Route;

/*
|--------------------------------------------------------------------------
| Web Routes
|--------------------------------------------------------------------------
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/

Route::get('/', function () {
    return view('user/home');
});

//Route::get('dashboard', function () {
    //return view ('nasabah.dashboard');
//});

Route::get('pages', function () {
    return view ('pages');
});

Route::resource('nasabah','PagesController');



route::get('/viewreport','UserController@viewreport');

route::get('/viewreport/home','UserController@home');
route::post('/viewreport/tambah','UserController@tambah');

route::get('/viewreport/viewedit/{id}','UserController@viewedit');
route::post('/viewreport/update','UserController@update');

route::get('/viewreport/delete/{id}','UserController@delete');

```

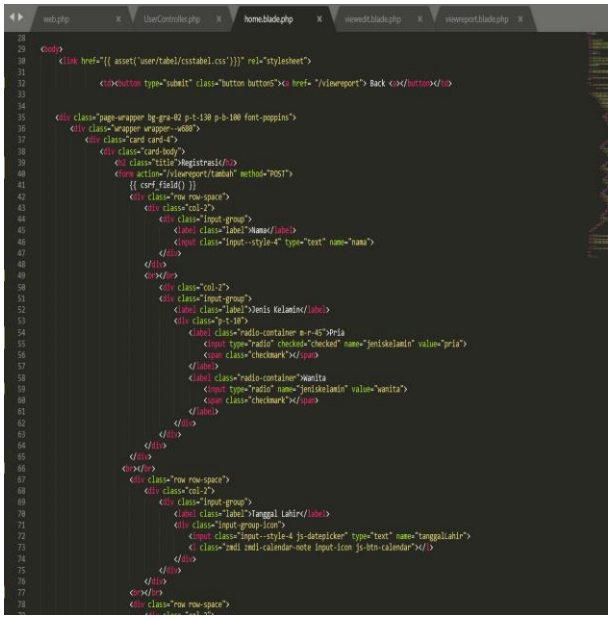
7. ketik di cmd php artisan **key:generate**

```
C:\xampp\htdocs\pbwlaravel>php artisan key:generate
        Application key set successfully.
```

8. pastikan anda sudah memiliki blade yaitu untuk bagian UI template tampilannya CRUD Anda.



10. pastikan isi blade anda seseuai kolum yang ada ditable anda dan href arahkan juga kemana jika di saat click



11. isi function di controller anda seperti edit insert update agar dpat berfungsi

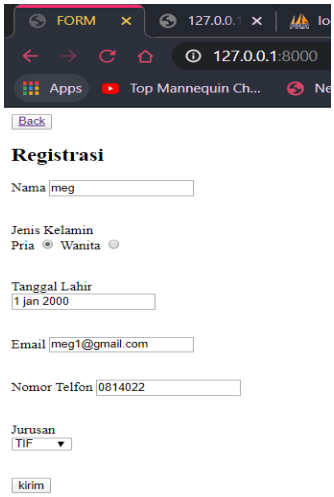
```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use DB;

class UserController extends Controller
{
public function viewreport(){
    //mengambil data dari tabel mahasiswa
    $user = DB::table('tb_mahasiswa')->get();
    //lalu kirim ke view
    return view('user.viewreport',['user' => $user]);
    }
public function home(){
    //panggil view home
    return view('user.home');
    }

public function tambah(Request $r){
    //insert data ke tabel tb_mahasiswa
    DB::table('tb_mahasiswa')->insert ([
        'nama' => $r->nama,
        'jeniskelamin' => $r->jeniskelamin,
        'tanggalLahir' => $r->tanggalLahir,
        'email' => $r->email,
        'notelfon' => $r->notelfon,
        'jurusan' => $r->jurusan
    ]);
    return redirect('/viewreport');
}

public function viewedit($id){
    //ambil data user berdasarkan id yang dipilih
    $user = DB::table('tb_mahasiswa')->where('id',$id)->get();
    //pasing data ke file edit.blade.php
    return view('user.viewedit',['user' => $user ]);
    return redirect('/viewreport');
}

public function update(Request $r){
    DB::table('tb_mahasiswa')->where('id',$r->id)->update([
        'nama' => $r->nama,
        'jeniskelamin' => $r->jeniskelamin,
        'tanggalLahir' => $r->tanggalLahir,
        'email' => $r->email,
        'notelfon' => $r->notelfon,
        'jurusan' => $r->jurusan
    ]);
    return redirect('/viewreport');
}
```

12.setelah itu ketik **php artisan serve** pada cmd untuk menjalankan nya

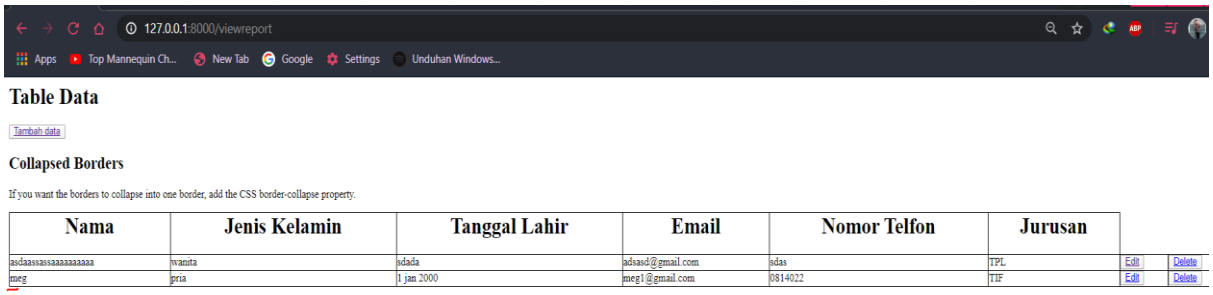
```
C:\xampp\htdocs\pbwlaravel>php artisan serve
        Laravel development server started: http://127.0.0.1:8000
```

13. setelah itu copy 127.0.0.1:8000 buka di browser anda

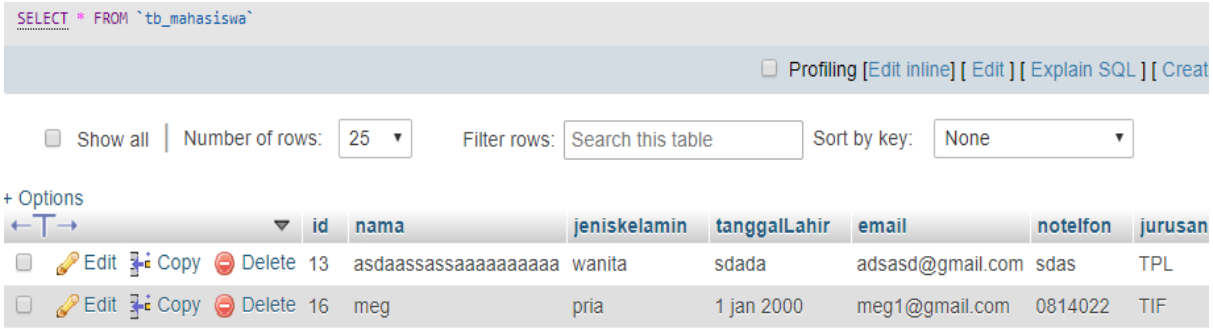
Kemudian isi dan kirim atau input



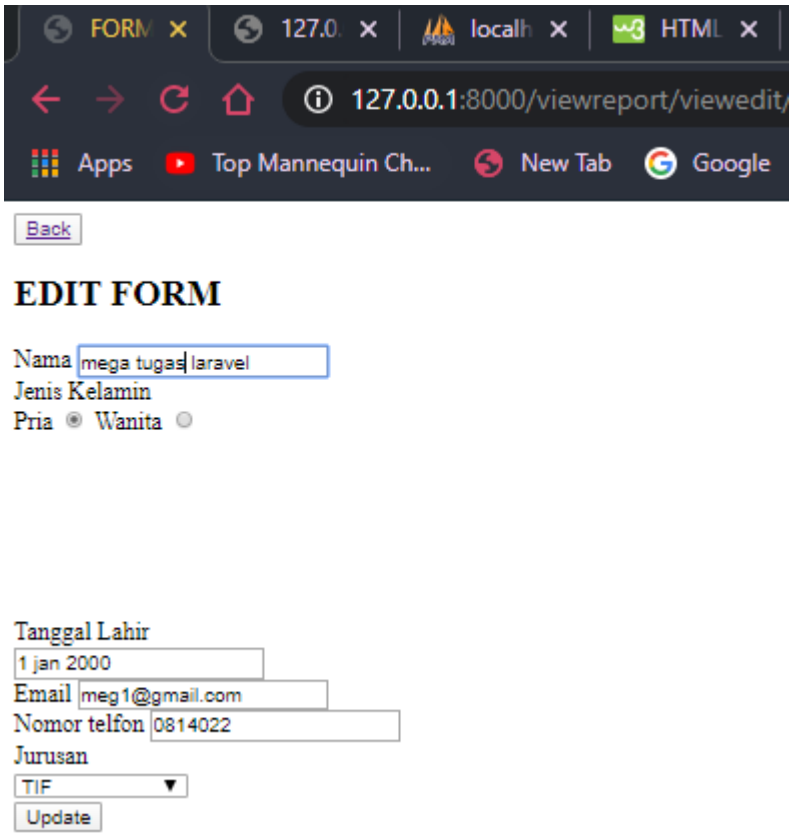
11. berikut hasil inputan anda dapat anda edit dan delete



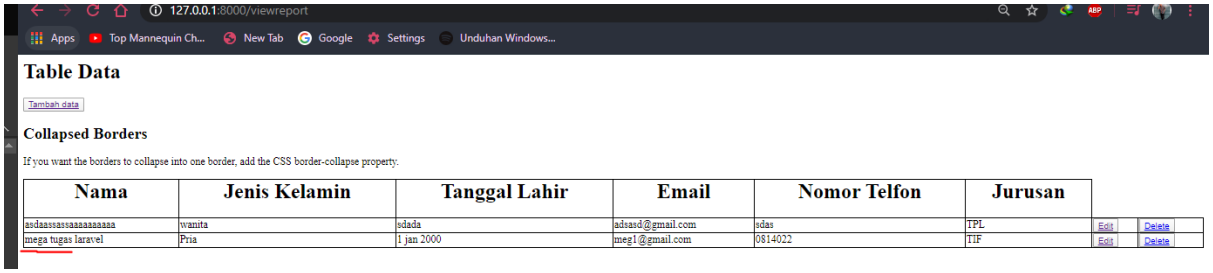
12.ini hasil inputan anda tadi dapat dilihat di dba tau php my admin anda



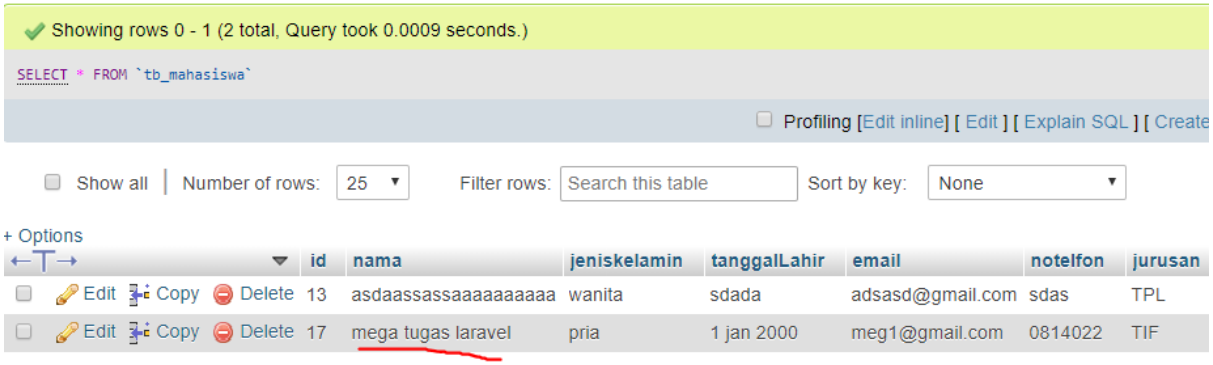
13. ini blade/template edit anda, kita coba update



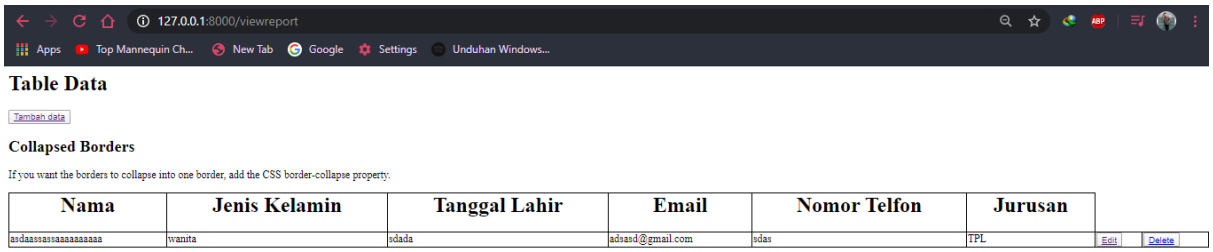
14.berikut setelah anda edit/update



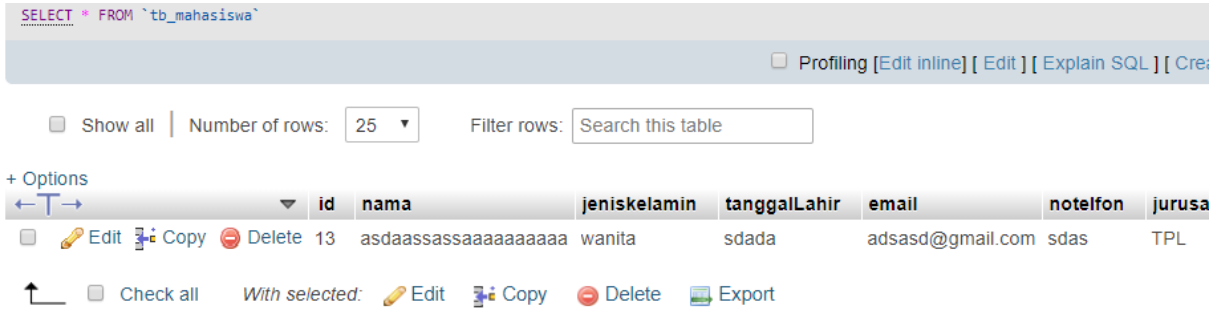
15. tampilan database anda setelah di edit Namanya



16. lalu delete kita delete dengan “Nama mega tugas Laravel”



17. tampilan database anda setelah di delete “nama>>> mega tugas laravel” udah kedelete



Jika sudah bias maka CRUD anda sudah berhasil anda buat terimah kasih untuk yang membaca.