

composer create-project codeigniter4/appstarter crud_codeigniter

cd crud_codeigniter

```
App.php X
app > Config > App.php
17      * http://example.com/
18      */
19      public string $baseUrl = 'http://localhost:8080/';
20
```

```
App.php Database.php X 2023-09-04-181857_Users.php
app > Config > Database.php
22      public string $defaultGroup = 'default';
23
24      /**
25       * The default database connection.
26       */
27      public array $default = [
28          'DSN'          => '',
29          'hostname'     => 'localhost',
30          'username'     => 'root',
31          'password'     => '',
32          'database'     => 'users_db',
33          'DBDriver'     => 'MySQLi',
34          'DBPrefix'     => '',
35          'pConnect'     => false,
36          'DBDebug'      => true,
37          'charset'      => 'utf8',
38          'DBCollat'     => 'utf8_general_ci',
39          'swapPre'      => '',
40          'encrypt'      => false,
41          'compress'     => false,
42          'strictOn'     => false,
43          'failover'     => [],
44          'port'         => 3306,
45          'numberNative' => false,
46      ];
```

php spark migrate:create users

```
<?php

namespace App\Database\Migrations;

use CodeIgniter\Database\Migration;

class Users extends Migration
{
    public function up()
    {
        $this->forge->addField([
            'id' => [
                'type' => 'INT',
                'constraint' => 5,
                'unsigned' => TRUE,
                'auto_increment' => TRUE
            ],

            'name' => [
                'type' => 'VARCHAR',
                'constraint' => '255',
            ],

            'email' => [
                'type' => 'VARCHAR',
                'constraint' => '255',
            ],

            'contact_no' => [
                'type' => 'VARCHAR',
                'constraint' => '255',
            ],

        ]);

        $this->forge->addKey('id', TRUE);
        $this->forge->createTable('users');
    }

    public function down()
    {
        $this->forge->dropTable('users');
    }
}
```

Revertir las migraciones

Puede que te hayas dado cuenta que definistes algo incorrecto en la migración anterior que ejecutantes, para revertir los cambios en la base de datos y corregirla:

```
php spark migrate:rollback
```

Refrescar migraciones

También podemos "refrescar" todas las migraciones que lo que hace sería un rollback de TODAS las migraciones para volver a ejecutarlas nuevamente.

```
php spark migrate:refresh
```

```
INSERT INTO users(id, name, email, contact_no) VALUES
(1, 'Team', 'info@test.com', '9000000001'),
(2, 'Admin', 'admin@test.com', '9000000002'),
(3, 'User', 'user@test.com', '9000000003'),
(4, 'Editor', 'editor@test.com', '9000000004'),
(5, 'Writer', 'writer@test.com', '9000000005'),
(6, 'Contact', 'contact@test.com', '9000000006'),
(7, 'Manager', 'manager@test.com', '9000000007'),
(8, 'John', 'john@test.com', '9000000055'),
(9, 'Merry', 'merry@test.com', '9000000088'),
(10, 'Keliv', 'kelvin@test.com', '9000550088'),
(11, 'Herry', 'herry@test.com', '9050550088'),
(12, 'Mark', 'mark@test.com', '9050550998');
```

```
php spark make:model User
```

```
<?php

namespace App\Models;

use CodeIgniter\Model;

class User extends Model
{
    protected $DBGroup          = 'default';
    protected $table            = 'users';
    protected $primaryKey       = 'id';
    protected $useAutoIncrement = true;
    protected $returnType       = 'array';
    protected $useSoftDeletes   = false;
    protected $protectFields    = true;
    protected $allowedFields    = ['name', 'email'];
}
```

```
php spark make:controller UserController
```

```
<?php

namespace App\Controllers;

use App\Controllers\BaseController;
use App\Models\User;

class UserController extends BaseController
{
    public function index()
    {
        $model = new User();

        $data['users'] = $model->orderBy('id', 'DESC')->findAll();

        return view('users', $data);
    }

    public function create()
    {
        return view('create-user');
    }
}
```

```
public function store()
{

    helper(['form', 'url']);

    $model = new User();

    $data = [

        'name' => $this->request->getVar('name'),
        'email' => $this->request->getVar('email'),
    ];

    $save = $model->insert($data);

    return redirect()->to( base_url('/users') );
}

public function edit($id = null)
{

    $model = new User();

    $data['user'] = $model->where('id', $id)->first();

    return view('edit-user', $data);
}

public function update()
{

    helper(['form', 'url']);

    $model = new User();

    $id = $this->request->getVar('id');

    $data = [

        'name' => $this->request->getVar('name'),
        'email' => $this->request->getVar('email'),
    ];

    $save = $model->update($id,$data);
}
```

```

        return redirect()->to( base_url('/users') );
    }

    public function delete($id = null)
    {

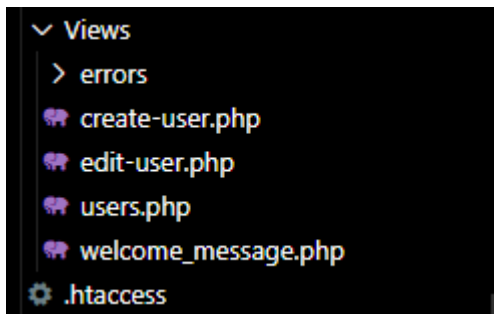
        $model = new User();

        $data['user'] = $model->where('id', $id)->delete();

        return redirect()->to( base_url('/users') );
    }
}

```

crear Views



app > Config > Routes.php

```
1  <?php
2
3  use CodeIgniter\Router\RouteCollection;
4
5  /**
6   * @var RouteCollection $routes
7   */
8  $routes->get('/', 'Home::index');
9
10 $routes->get('/users', 'UserController::index');
11
12
13 $routes->get('/users/create', 'UserController::create');
14
15 $routes->post('/users/store', 'UserController::store');
16
17 $routes->get('/users/delete/(:num)', 'UserController::delete/$1');
18
19 $routes->get('/users/edit/(:num)', 'UserController::edit/$1');
20
21 $routes->post('/users/update/', 'UserController::update');
22
```