


LARAVEL

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COMPOSER INSTALL

- First of all download Composer from google

 [Home](#) | [Getting Started](#) | [Download](#) | [Documentation](#) | [Browse Packages](#)

Download Composer Latest: v2.1.6

Windows Installer

The installer - which requires that you have PHP already installed - will download Composer for you and set up your PATH environment variable so you can simply call `composer` from any directory.

Download and run Composer-Setup.exe - it will install the latest composer version whenever it is executed.

Command-line installation

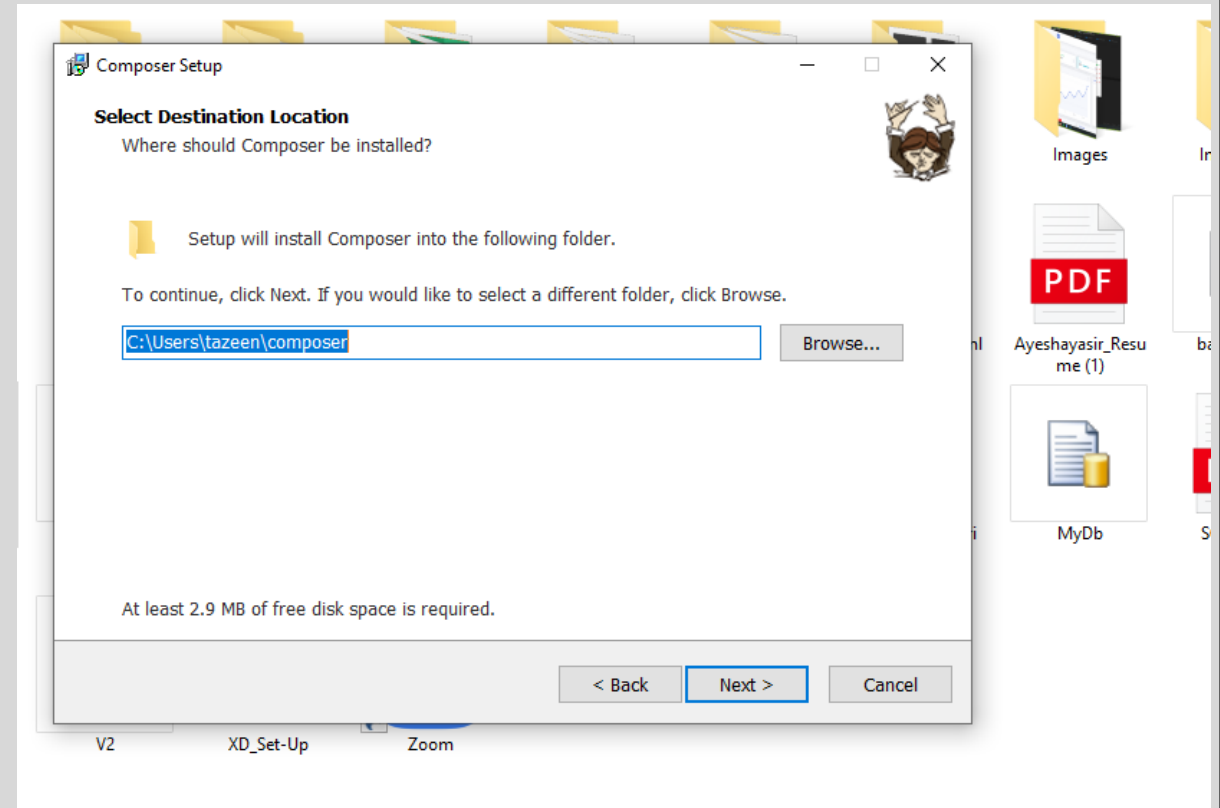
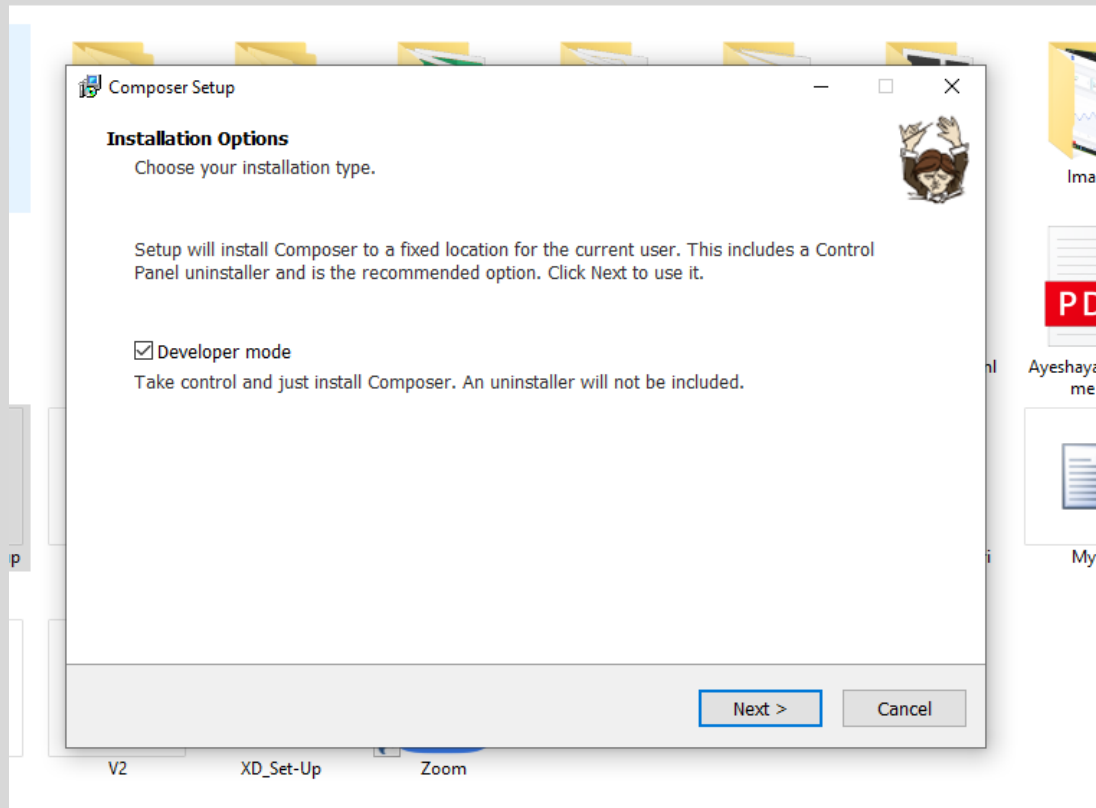
To quickly install Composer in the current directory, run the following script in your terminal. To automate the installation, use [the guide on installing Composer programmatically](#).

```
php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"
php -r "if (hash_file('sha384', 'composer-setup.php') === '756890a4488ce9024fc62c56153228907f1545c228516cbf63f8
php composer-setup.php
php -r "unlink('composer-setup.php');"
```

This installer script will simply check some `php.ini` settings, warn you if they are set incorrectly, and then download the latest `composer.phar` in the current directory. The 4 lines above will, in order:

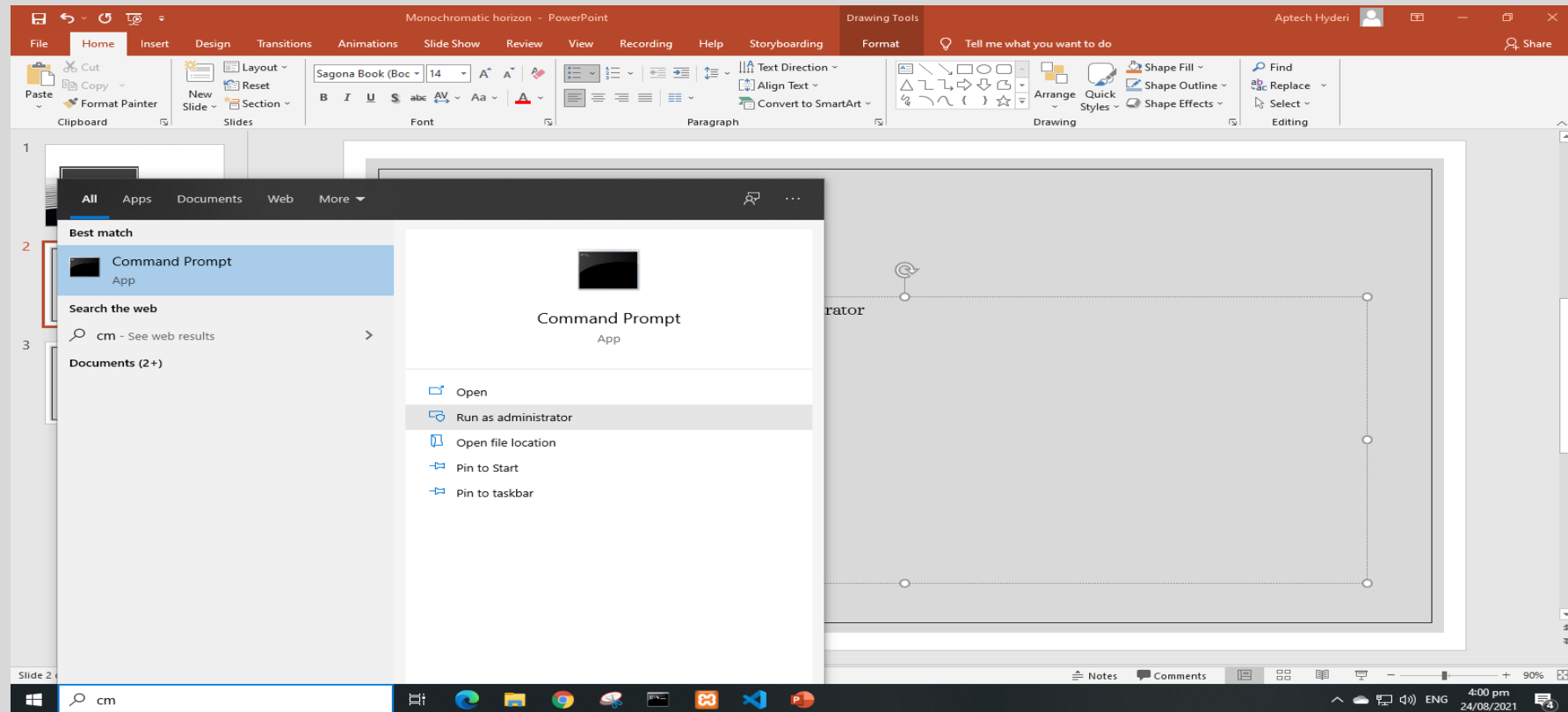
COMPOSER

Click Developer Mode and then, next next next.



Open CMD screen:

- Search Cmd in search bar and run as administrator



FOLLOW THESE COMMAND

```
Microsoft Windows [Version 10.0.18363.1556]  
(c) 2019 Microsoft Corporation. All rights reserved.
```

```
C:\Windows\system32>cd ../
```

```
C:\Windows>cd ../
```

```
C:\>cd ./xampp
```

```
C:\>cd ./xampp
```

```
C:\xampp>cd ./htdocs
```

```
C:\xampp\htdocs>composer create-project --prefer-dist laravel/laravel YourProjName
```

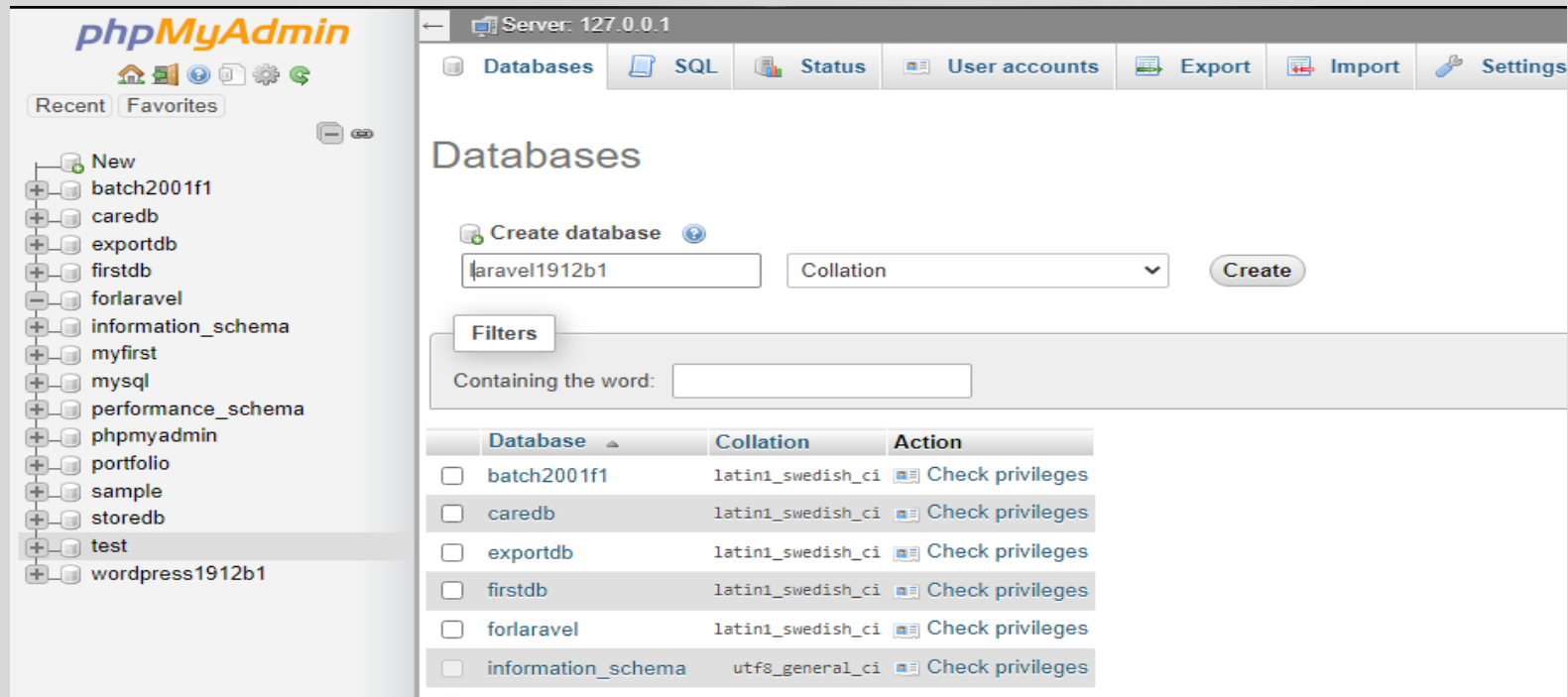
```
C:\xampp\htdocs>composer create-project --prefer-dist laravel/laravel Batch1912B1
Creating a "laravel/laravel" project at "./Batch1912B1"
Installing laravel/laravel (v6.18.35)
- Installing laravel/laravel (v6.18.35): Extracting archive
Created project in C:\xampp\htdocs\Batch1912B1
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 87 installs, 0 updates, 0 removals
- Locking doctrine/inflector (2.0.3)
- Locking doctrine/instantiator (1.4.0)
- Locking doctrine/lexer (1.2.1)
- Locking dragonmantank/cron-expression (v2.3.1)
```

```
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
60 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan key:generate --ansi
Application key set successfully.

C:\xampp\htdocs>
```

After PROJECT created

- After Creating a project, you must create a database on phpMyAdmin

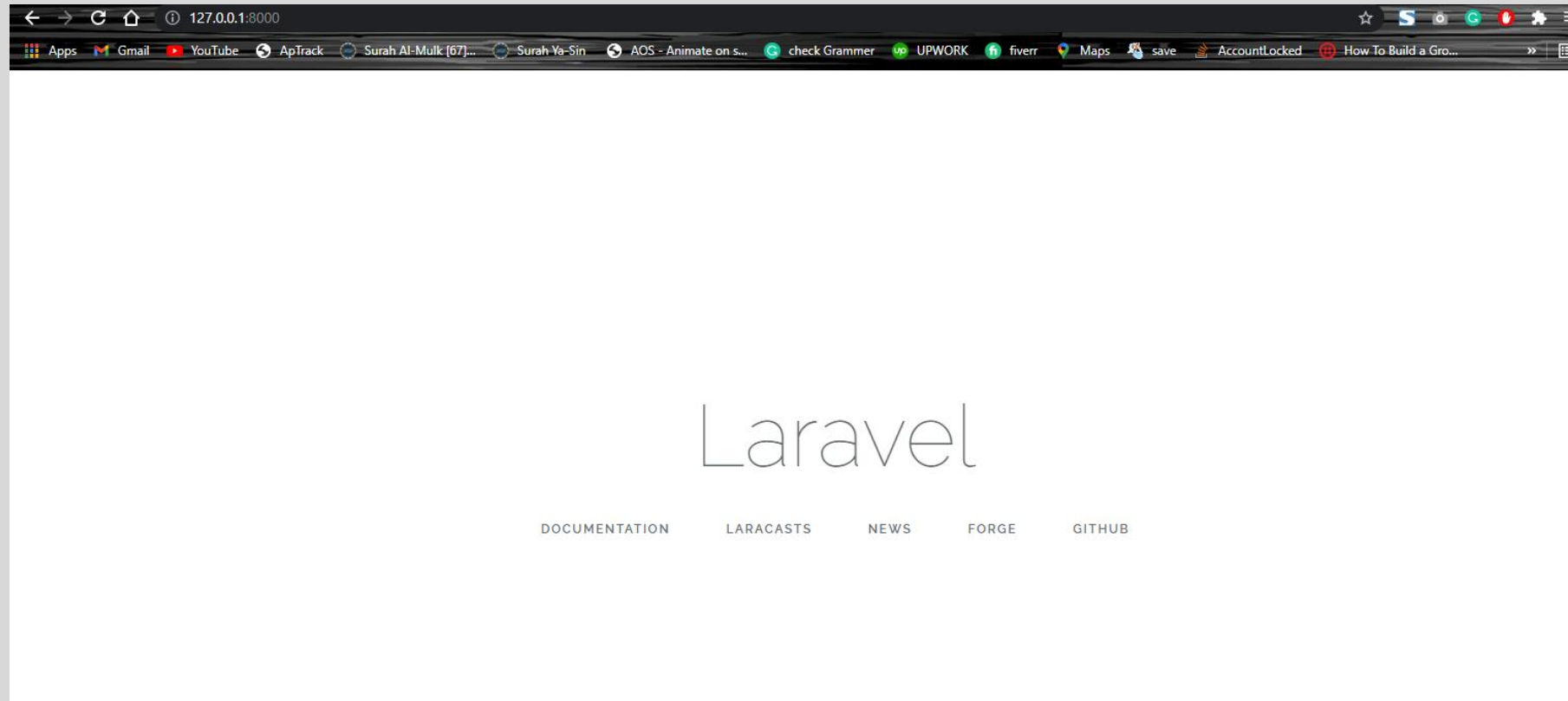


OPEN LARAVEL PROJECT

- for opening the Laravel demo project write:
 - Php artisan serve like this:
 - So, it will give your project Link

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

Project OPEN



CONTROLLER

- Follow the following command for creating controller
- In the End of **ProjectController** you'll need to add **-resource** after it.
It will automatically create all type of action method

```
C:\xampp\htdocs\Batch1912B1>php artisan make:controller ProjectController  
Controller created successfully.
```

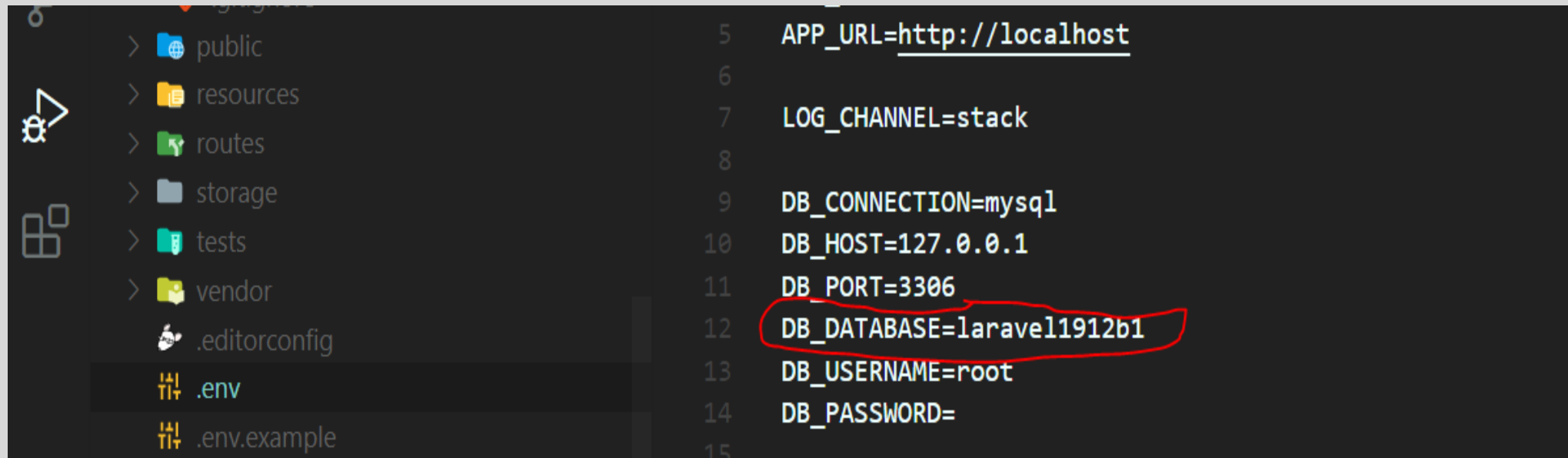
MODEL

```
C:\xampp\htdocs\Batch1912B1>php artisan make:model Mymodel -m
```

```
C:\xampp\htdocs\Batch1912B1>php artisan make:model Mymodel -m  
Model created successfully.  
Created Migration: 2021_08_24_114014_create_mymodels_table
```

DATABASE CONFIGURATION

- Now, you must set the database configuration in **.env** File.
 - In .env file set the Following configs:



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a directory structure with folders like public, resources, routes, storage, tests, and vendor, and files like .editorconfig, .env, and .env.example. The .env file is selected. The code editor shows the following configuration:

```
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=laravel1912b1
13 DB_USERNAME=root
14 DB_PASSWORD=
15
```

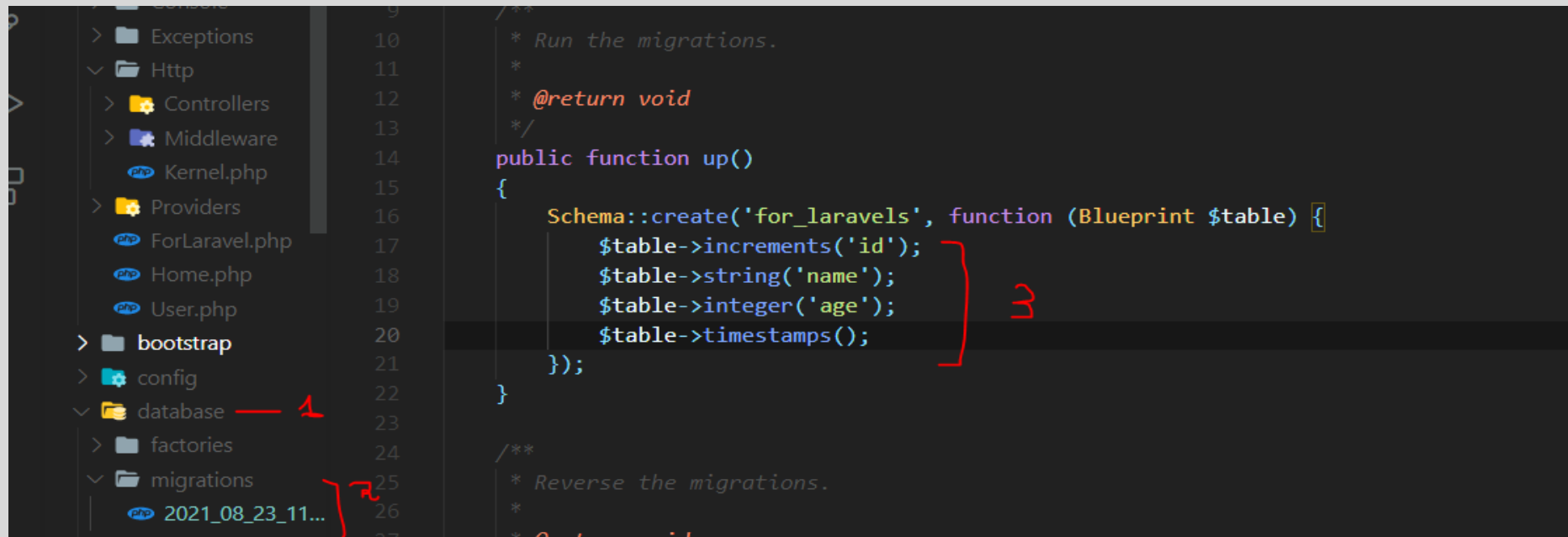
The line `DB_DATABASE=laravel1912b1` is circled in red.

TABLE

When you create a model , **-m** command automatically created same **model's name** table

Following are the command for **migration table**.

Before Migrate the table first you add the **add table columns** in **Migration Table File**



```
10  /**
11  * Run the migrations.
12  *
13  * @return void
14  */
15  public function up()
16  {
17      Schema::create('for_laravels', function (Blueprint $table) {
18          $table->increments('id');
19          $table->string('name');
20          $table->integer('age');
21          $table->timestamps();
22      });
23  }
24  /**
25  * Reverse the migrations.
26  *
27  * @return void
```

MIGRATE TABLE

- After adding Fields, You must migrate table to phpMyAdmin.

- Following command migrate the table

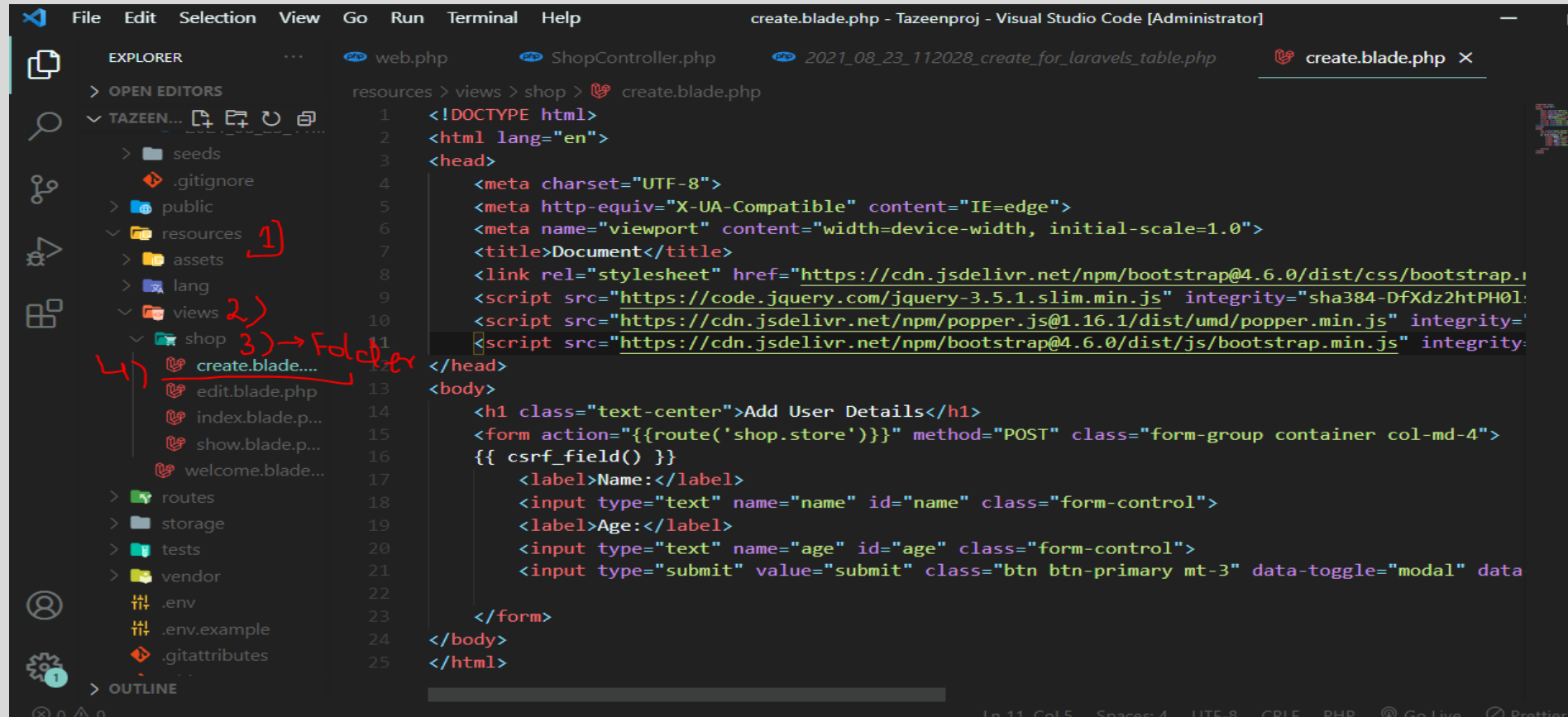
If you'll see any type of error then, delete the users and password migration table from migration folder .

```
C:\xampp\htdocs\Batch1912B1>php artisan migrate
Migration table created successfully.
Migrating: 2021_08_24_114014_create_mymodels_table
Migrated: 2021_08_24_114014_create_mymodels_table (0.17 seconds)

C:\xampp\htdocs\Batch1912B1>
```

◦

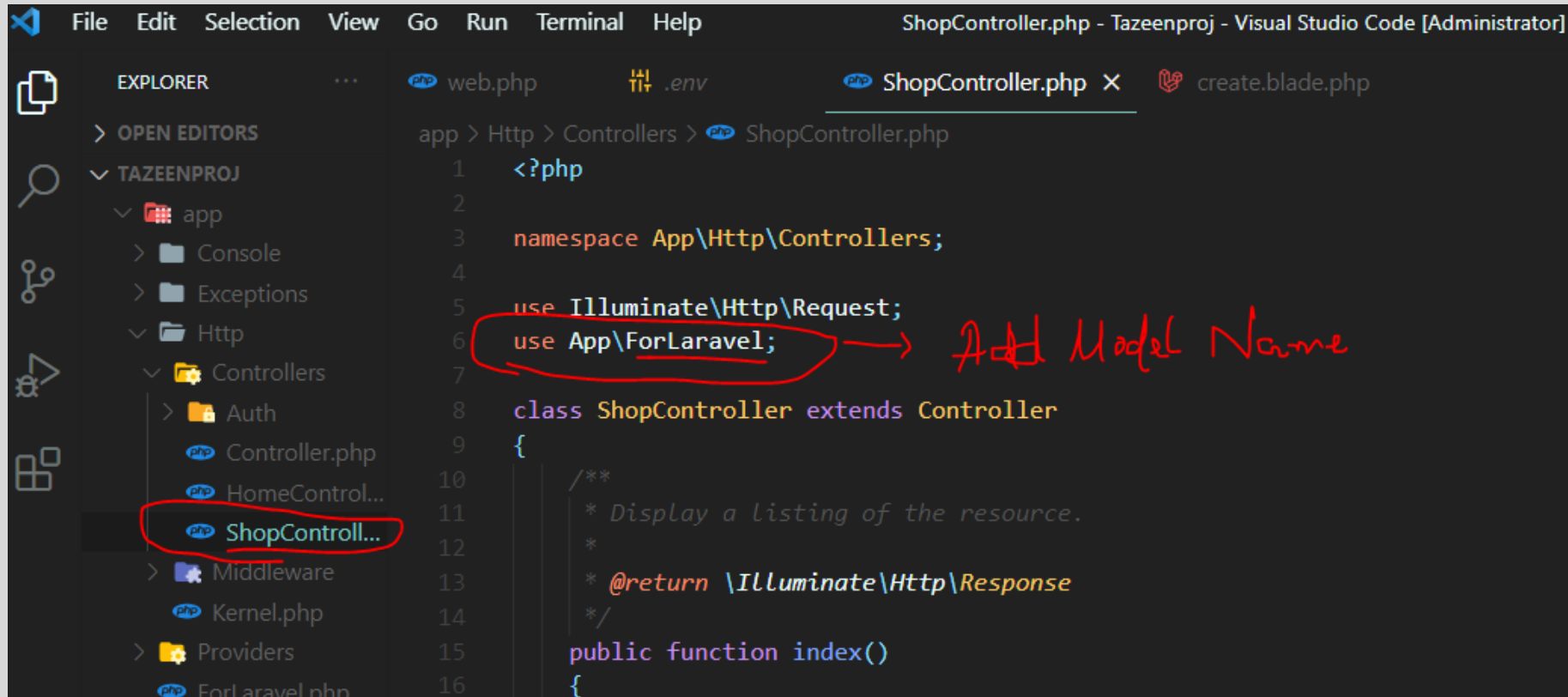
Create View:



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left and the Editor window on the right. The Explorer sidebar displays the project structure, including folders like 'seeds', 'public', 'resources', 'assets', 'lang', 'views', and 'shop'. The 'views' folder is expanded, showing a sub-folder 'shop'. Inside 'shop', there are several Blade view files: 'create.blade.php', 'edit.blade.php', 'index.blade.php', 'show.blade.php', and 'welcome.blade.php'. The 'create.blade.php' file is selected and highlighted in red. Red handwritten annotations are present: '1)' next to 'resources', '2)' next to 'views', '3) -> Folder' next to 'shop', and '4)' next to 'create.blade.php'. The Editor window shows the content of 'create.blade.php', which is a Blade template for creating a new user. The code includes a DOCTYPE declaration, HTML and head tags, meta tags for charset, http-equiv, and viewport, a title, and links to Bootstrap CSS and JavaScript. The body contains a form with fields for Name and Age, and a Submit button. The form action is set to the route 'shop.store'.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>Document</title>
8     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/css/bootstrap.min.css" integrity="sha384-9tRh1l1ke1QXh1OJuYWdV6WY9O4WmBUwHvZoKEUPjKPQv4zjVbuLiQQv7ExUn9kp" crossorigin="anonymous">
9     <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-J8qa4IcfEYggZ74F7QvzdrgPS7uo51FmDeW4jqvmB0yMnVVwdL1cpB00YnC6B" crossorigin="anonymous">
10    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-r18cshKJUMnVJdQkxH4oNMktVhADQyKCEHT1F0ADYAgtU4t9e9F4Nha5ggH+t" crossorigin="anonymous">
11    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/js/bootstrap.min.js" integrity="sha384-VPLw4ieKJ1Im1QQ0YCvc2AoUn8OJN17rt51XoDUTRtOJn1NXgrkdYlWko6fk7Y4u3" crossorigin="anonymous">
12 </head>
13 <body>
14     <h1 class="text-center">Add User Details</h1>
15     <form action="{{route('shop.store')}}" method="POST" class="form-group container col-md-4">
16         {{ csrf_field() }}
17         <label>Name:</label>
18         <input type="text" name="name" id="name" class="form-control">
19         <label>Age:</label>
20         <input type="text" name="age" id="age" class="form-control">
21         <input type="submit" value="submit" class="btn btn-primary mt-3" data-toggle="modal" data-target="#exampleModal">
22     </form>
23 </body>
24 </html>
```


SET up the Controller Actions METHOD:



```
File Edit Selection View Go Run Terminal Help
ShopController.php - Tazeenproj - Visual Studio Code [Administrator]

EXPLORER
OPEN EDITORS
TAZEENPROJ
  app
    Console
    Exceptions
    Http
      Controllers
        Auth
          Controller.php
          HomeControl...
          ShopControll...
        Middleware
          Kernel.php
        Providers
          ForLaravel.php

app > Http > Controllers > ShopController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\ForLaravel;
7
8  class ShopController extends Controller
9  {
10
11      /**
12       * Display a listing of the resource.
13       *
14       * @return \Illuminate\Http\Response
15       */
16      public function index()
17      {
```

→ Add Model Name

Add ACTION METHOD **CREATE** AND **STORE**

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

/**
 * Store a newly created resource in storage.
 *
 * @param  \Illuminate\Http\Request  $request
 * @return \Illuminate\Http\Response
 */
public function store(Request $request)
{
    $obj = new ForLaravel;
    $obj->name = $request->name;
    $obj->age = $request->age;
    $obj->save();
    return view('shop.create');|
}
```

SET UP the ROUTE CONFIGUARATION

```
File Edit Selection View Go Run Terminal Help
web.php - Tazeenproj - Visual Studio Code [Administrator]

EXPLORER
> OPEN EDITORS
TAZEEN...
  shop
    create.blade....
    edit.blade.php
    index.blade.p...
    show.blade.p...
    welcome.blade...
  routes 1
    api.php
    channels.php
    console.php
    web.php e)
  storage
  tests
  vendor

routes > web.php
6 |-----
7 |
8 | Here is where you can register web routes for your application. These
9 | routes are loaded by the RouteServiceProvider within a group which
10 | contains the "web" middleware group. Now create something great!
11 |
12 | */
13 |
14 | Route::get('/', function () {
15 |     return view('welcome');
16 | });
17 |
18 | // Route::get('create', 'ShopController@create');
19 | // Route::post('create', 'ShopController@store');
20 |
21 | Add Links
22 | Route::resource('shop', 'ShopController');
23 |
```