

Lab 1: Setup laravel



MỤC TIÊU:

Kết thúc bài thực hành này bạn có khả năng

- ✓ Hiểu rõ Laravel Framework
- ✓ Môi trường phát triển
- ✓ Cài đặt composer, laravel
- ✓ Tạo web laravel

BÀI 1 (3 ĐIỂM)

Kiểm tra các yêu cầu hệ thống cần thiết để thực hiện cài đặt Laravel 5.5.

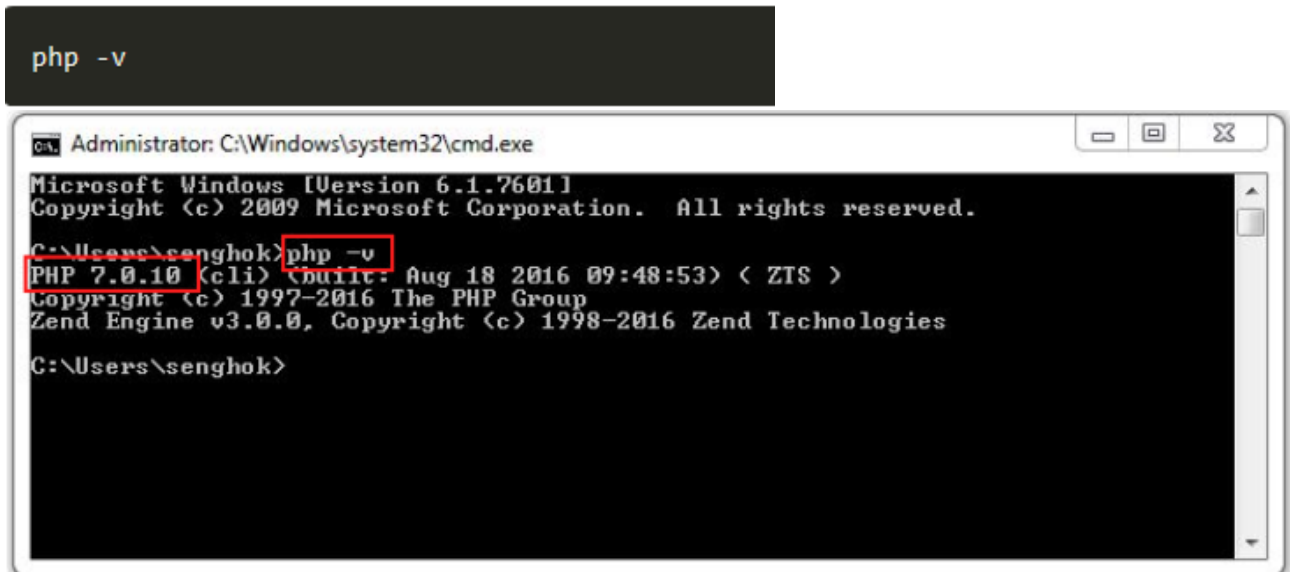
Download cài đặt Composer, tạo Laravel project.

Chạy kiểm tra Laravel web

HƯỚNG DẪN:

- ✓ Đảm bảo hệ thống :
 - PHP >= 7.1.3
 - OpenSSL PHP Extension
 - PDO PHP Extension
 - Mbstring PHP Extension
 - Tokenizer PHP Extension
 - XML PHP Extension
 - Ctype PHP Extension
 - JSON PHP Extension
- ✓ Có thể download và cài đặt gói Xampp mới nhất
- ✓ Nếu đã cài php, apache từ trước thì dùng lệnh để kiểm tra version

```
php -v
```

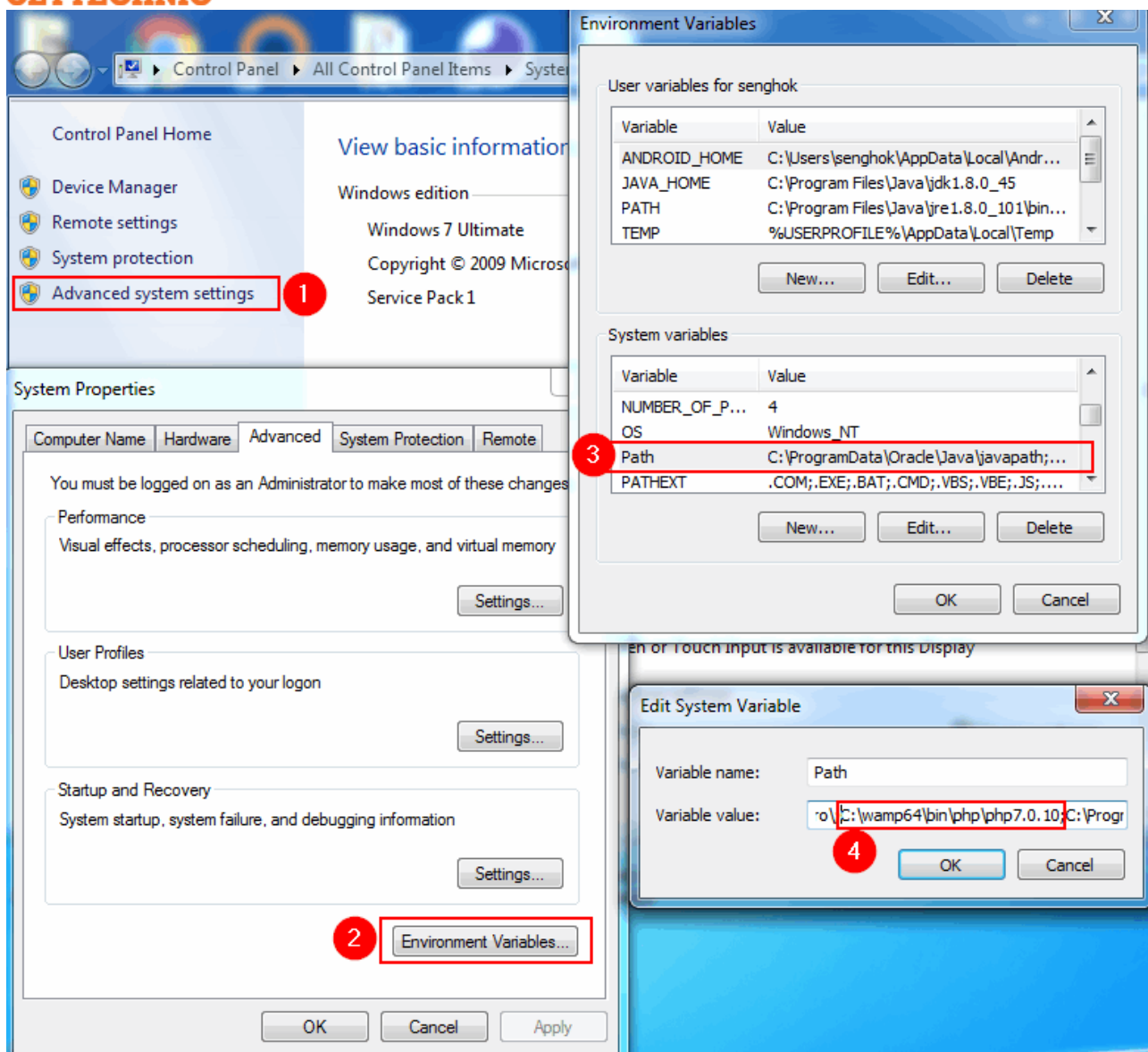


```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\senghok>php -v
PHP 7.0.10 (cli) (built: Aug 18 2016 09:48:53) < ZTS >
Copyright (c) 1997-2016 The PHP Group
Zend Engine v3.0.0, Copyright (c) 1998-2016 Zend Technologies

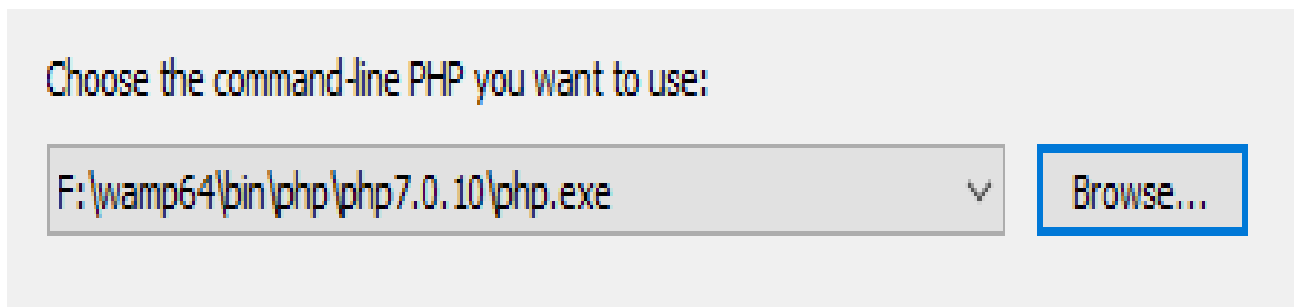
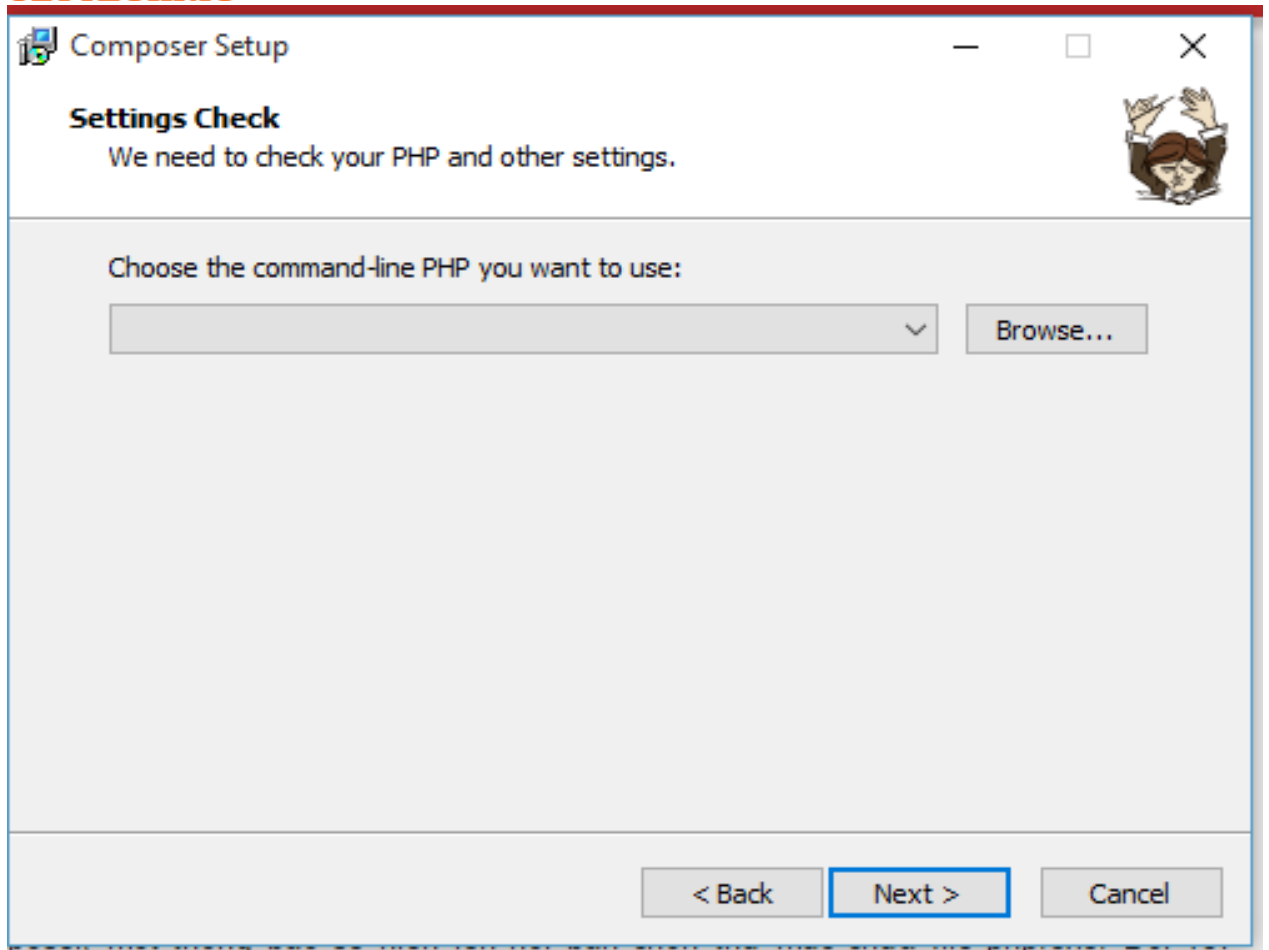
C:\Users\senghok>
```

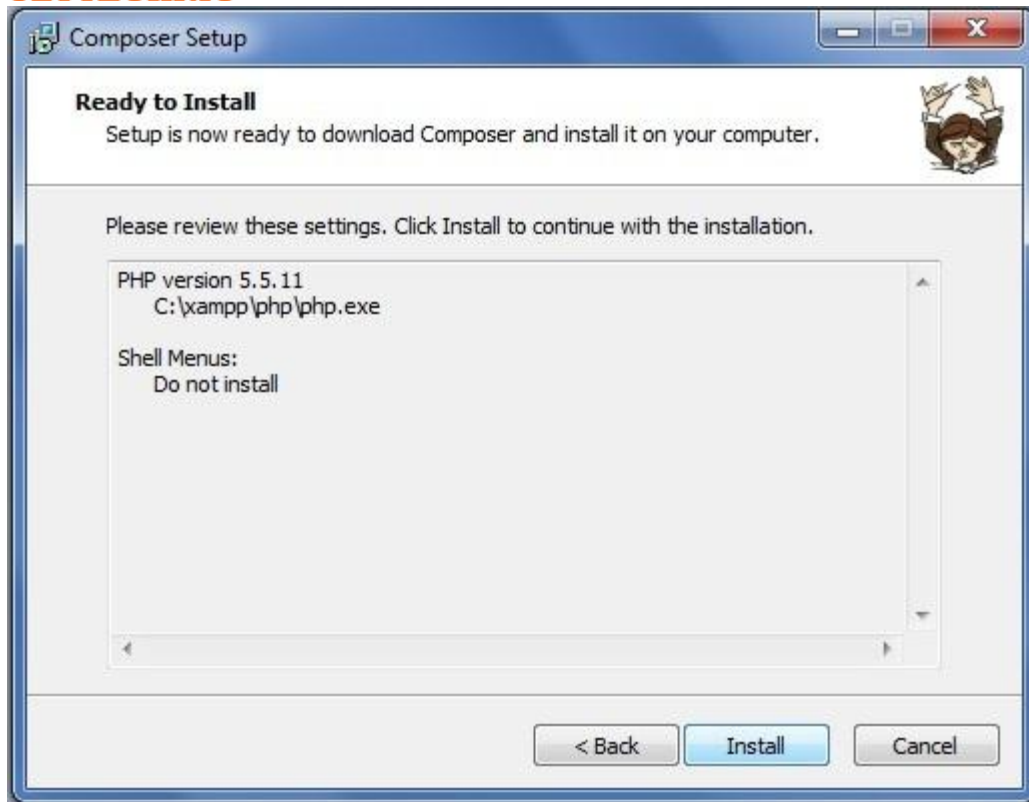
- ✓ Trong trường hợp không chạy được php -v hoặc nhận thông báo tương tự "... is not recognized as internal and external command,...", chúng ta cần thêm đường dẫn Php vào biến môi trường: click phải Mycomputer-> Properties -> Advanced System Settings-> Environment Variables -> double click on path in System Variables -> Đặt đường dẫn Php tại đây (C:\wamp64\bin\php\php7.0.10) hoặc làm theo hình bên dưới



- ✓ Laravel sử dụng Composer để quản lý các dependencies. Vì thế, trước khi sử dụng Laravel, hãy cài Composer trên máy
- ✓ Bước 1: download và cài đặt composer <https://getcomposer.org/doc/00-intro.md>
- ✓ Trong quá trình cài đặt composer, một thông báo sẽ hỏi chọn thư mục chứa file php.exe







- ✓ Từ CMD chạy

```
composer
```

- ✓ Kiểm tra màn hình giống bên dưới là thành công

```

Administrator: C:\Windows\system32\cmd.exe

C:\Users\senghok>composer

Composer version 1.3.1 2017-01-07 18:08:51

Usage:
  command [options] [arguments]

Options:
  -h, --help                Display this help message
  -q, --quiet               Do not output any message
  -V, --version             Display this application version
      --ansi                Force ANSI output
      --no-ansi            Disable ANSI output
  -n, --no-interaction      Do not ask any interactive question
      --profile             Display timing and memory usage information
      --no-plugins          Whether to disable plugins.
  -d, --working-dir=WORKING-DIR If specified, use the given directory as working directory.
  -vvvv, --verbose          Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Available commands:
  about               Short information about Composer
  archive             Create an archive of this composer package
  browse              Opens the package's repository URL or homepage in your browser
  .
  clear-cache         Clears composer's internal package cache.
  clearcache          Clears composer's internal package cache.
  config              Set config options
  create-project       Create new project from a package into given directory.
  depends             Shows which packages cause the given package to be installed
  diagnose            Diagnoses the system to identify common errors.
  dump-autoload        Dumps the autoloader
  dumpautoload         Dumps the autoloader
  exec                Execute a vendored binary/script
  global              Allows running commands in the global composer dir ($COMPOSER_
HOME).
  help                Displays help for a command
  home                Opens the package's repository URL or homepage in your browser
  .
  info                Show information about packages
  init                Creates a basic composer.json file in current directory.
  install             Installs the project dependencies from the composer.lock file
if present, or falls back on the composer.json.
  licenses            Show information about licenses of dependencies
  list                Lists commands
  outdated            Shows a list of installed packages that have updates available
, including their latest version.
  prohibits           Shows which packages prevent the given package from being installed
  remove              Removes a package from the require or require-dev

```

- ✓ Enable: extension=php_openssl.dll: Sinh viên vào tìm “../xampp/php/php.ini” trên máy

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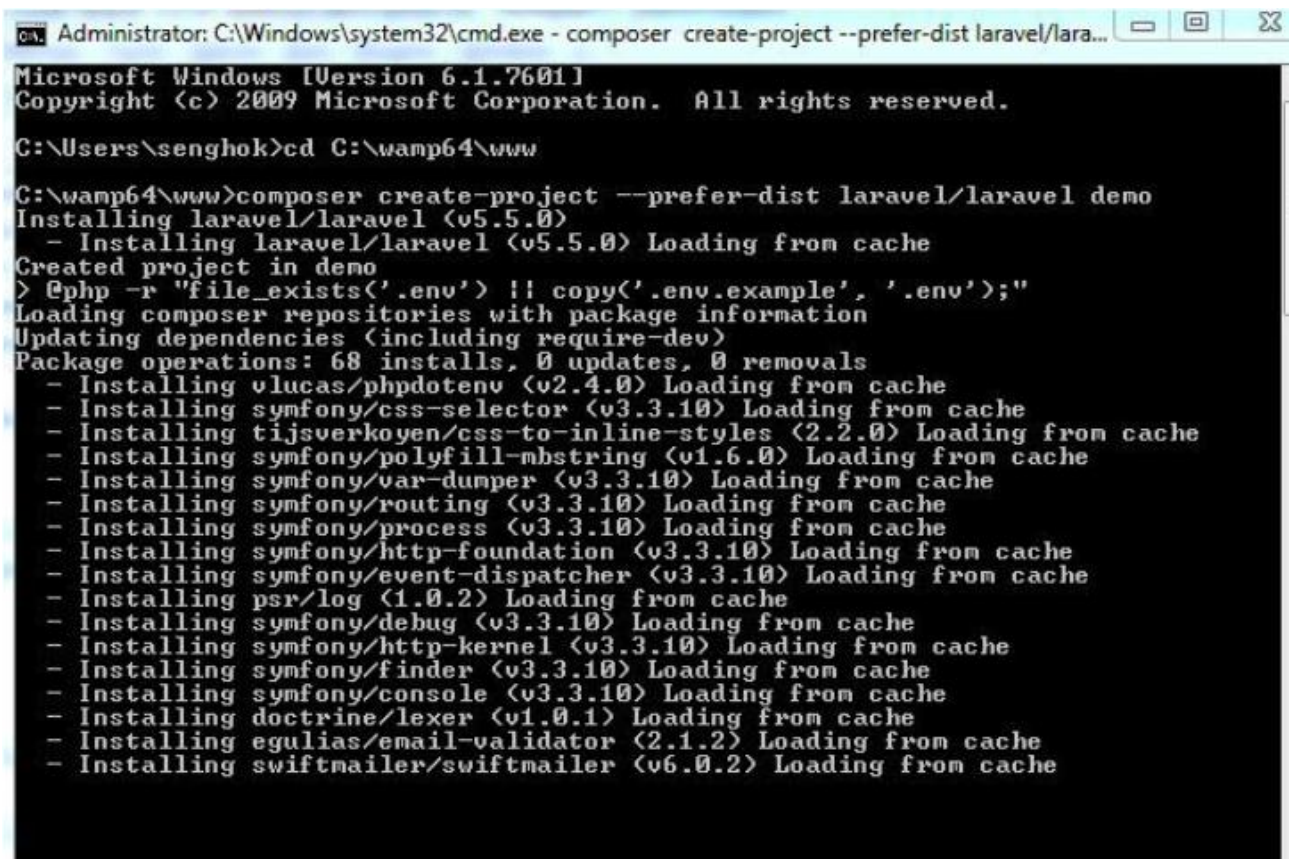
```

1004;extension=php_mbstring.dll
1005;extension=php_exif.dll      ; Must be after mbstring as it depends on it
1006extension=php_mysql.dll
1007extension=php_mysqli.dll
1008;extension=php_oci8.dll      ; Use with Oracle 10gR2 Instant Client
1009;extension=php_oci8_11g.dll ; Use with Oracle 11gR2 Instant Client
1010
1011extension=php_openssl.dll
1012;extension=php_pdo_firebird.dll
1013extension=php_pdo_mysql.dll
1014;extension=php_pdo_oci.dll
1015;extension=php_pdo_odbc.dll
1016;extension=php_pdo_pgsql.dll
1017extension=php_pdo_sqlite.dll
1018;extension=php_pdo_sqlite_external.dll
1019;extension=php_pgsql.dll
1020;extension=php_pspell.dll
1021;extension=php_shmop.dll
1022

```

- ✓ Tạo project có tên “demo” trong laravel

```
composer create-project --prefer-dist laravel/laravel demo
```



```

Administrator: C:\Windows\system32\cmd.exe - composer create-project --prefer-dist laravel/lara...
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\senghok>cd C:\wamp64\www

C:\wamp64\www>composer create-project --prefer-dist laravel/laravel demo
Installing laravel/laravel (v5.5.0)
- Installing laravel/laravel (v5.5.0) Loading from cache
Created project in demo
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies (including require-dev)
Package operations: 68 installs, 0 updates, 0 removals
- Installing vlucas/phpdotenv (v2.4.0) Loading from cache
- Installing symfony/css-selector (v3.3.10) Loading from cache
- Installing tijsverkoyen/css-to-inline-styles (2.2.0) Loading from cache
- Installing symfony/polyfill-mbstring (v1.6.0) Loading from cache
- Installing symfony/var-dumper (v3.3.10) Loading from cache
- Installing symfony/routing (v3.3.10) Loading from cache
- Installing symfony/process (v3.3.10) Loading from cache
- Installing symfony/http-foundation (v3.3.10) Loading from cache
- Installing symfony/event-dispatcher (v3.3.10) Loading from cache
- Installing psr/log (1.0.2) Loading from cache
- Installing symfony/debug (v3.3.10) Loading from cache
- Installing symfony/http-kernel (v3.3.10) Loading from cache
- Installing symfony/finder (v3.3.10) Loading from cache
- Installing symfony/console (v3.3.10) Loading from cache
- Installing doctrine/lexer (v1.0.1) Loading from cache
- Installing egulias/email-validator (2.1.2) Loading from cache
- Installing swiftmailer/swiftmailer (v6.0.2) Loading from cache

```

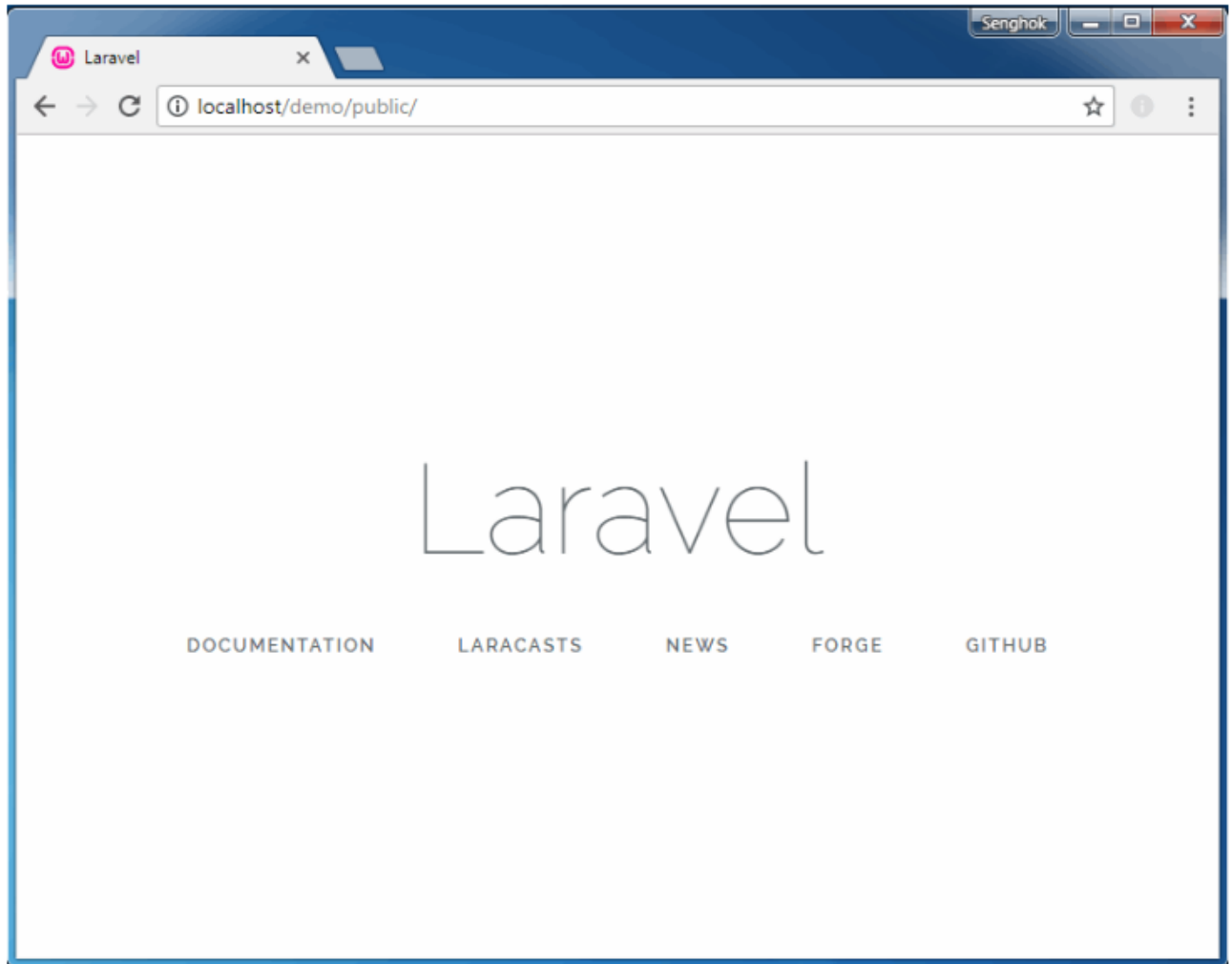
Và nếu màn hình như bên dưới thì bạn đã tạo thành công


```

Administrator: C:\Windows\system32\cmd.exe
psy/psysh suggests installing ext-pcntl (Enabling the PCNTL extension makes PsyS
H a lot happier :))
psy/psysh suggests installing ext-posix (If you have PCNTL, you'll want the POSI
X extension as well.)
psy/psysh suggests installing ext-readline (Enables support for arrow-key histor
y navigation, and showing and manipulating command history.)
psy/psysh suggests installing ext-pdo-sqlite (The doc command requires SQLite to
work.)
psy/psysh suggests installing hoa/console (A pure PHP readline implementation. Y
ou'll want this if your PHP install doesn't already support readline or libedit.
)
filp/whoops suggests installing whoops/soap (Formats errors as SOAP responses)
sebastian/global-state suggests installing ext-uopz (*)
phpunit/php-code-coverage suggests installing ext-xdebug (^2.5.5)
phpunit/phpunit suggests installing phpunit/php-invoker (^1.1)
phpunit/phpunit suggests installing ext-xdebug (*)
Writing lock file
Generating autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover
Discovered Package: fideloper/proxy
Discovered Package: laravel/tinker
Package manifest generated successfully.
> @php artisan key:generate
Application key [base64:vymUjnyC5QjdikCTASs115TUbUze4HJPGGn8MfB7wxA=] set succes
sfully.
C:\wamp64\www>

```

Để xem kết quả trên trình duyệt, sinh viên gõ <http://localhost/demo/public>.



BÀI 2 (4 ĐIỂM):

Tạo trang web đơn giản “Hello Word” với controller và View

HƯỚNG DẪN:

- ✓ Tạo project Laravel hello-world

```
$ composer create-project laravel/laravel hello-world
```

FPT POLYTECHNIC

- ✓ Sau khi tạo project thành công, sinh viên vào thư mục vừa tạo

```
$ cd C:\xampp\htdocs\hello-world
```

- ✓ Tạo Controller tên HelloController

```
$ php artisan make:controller HelloController --resource
```

Câu lệnh trên sẽ tạo một file app/Http/Controllers/HelloController.php. Trong đó tùy chọn “--resource” giúp tự sinh ra các phương thức CRUD bên trong controller

- ✓ Trong “routes/web.php” chúng ta đăng ký route

```
Route::get('hello', 'HelloController@index');
```

- ✓ Tạo nội dung hiển thị bên trong resources/views/hello.blade.php:

```
<h1>Hello world!</h1>
```

- ✓ Chỉnh lại code bên trong “HelloController.php” để gọi hiển thị trang web

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

use App\Http\Requests;

class HelloController extends Controller
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\Http\Response
     */
    public function index()
    {
        return view('hello');
    }

    // ... other resources are listed below the index one above
}
```

- ✓ Cuối cùng là trên trình duyệt chạy “http://localhost/hello-world/public/hello” để xem kết quả

BÀI 3 (3 ĐIỂM) Giảng viên tự cho thêm