

**NAME: Koshish Shrestha**

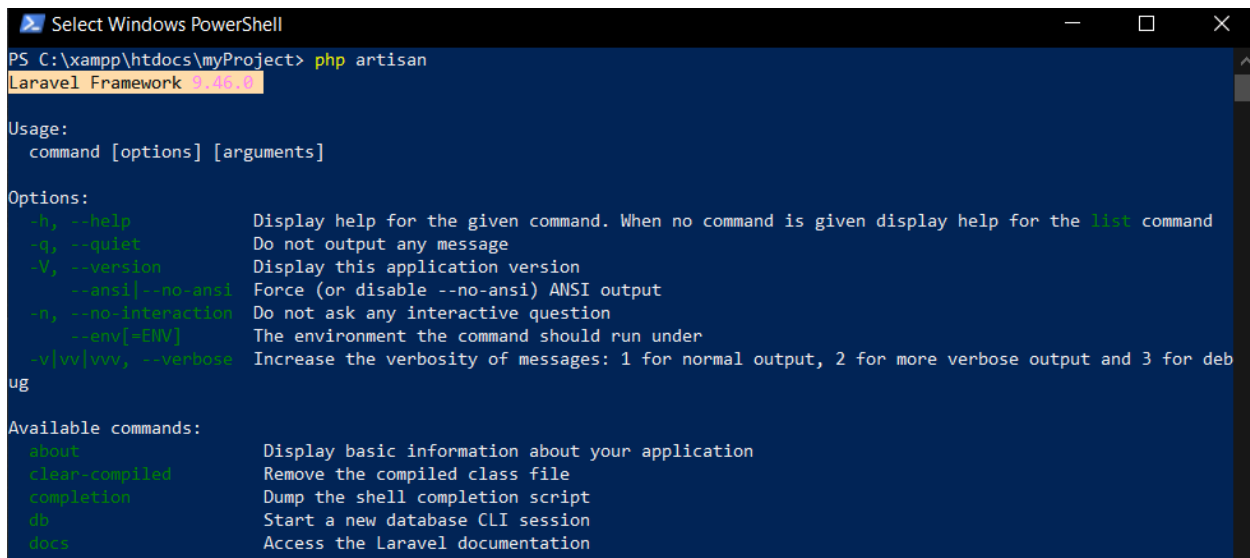
**LBU ID: 77261174**

**LEVEL: 6 (1st Semester)**

**SUBJECT: Advanced Web Engineering**

## COMPONENT 2 DOCUMENTATION

### Laravel Installation:



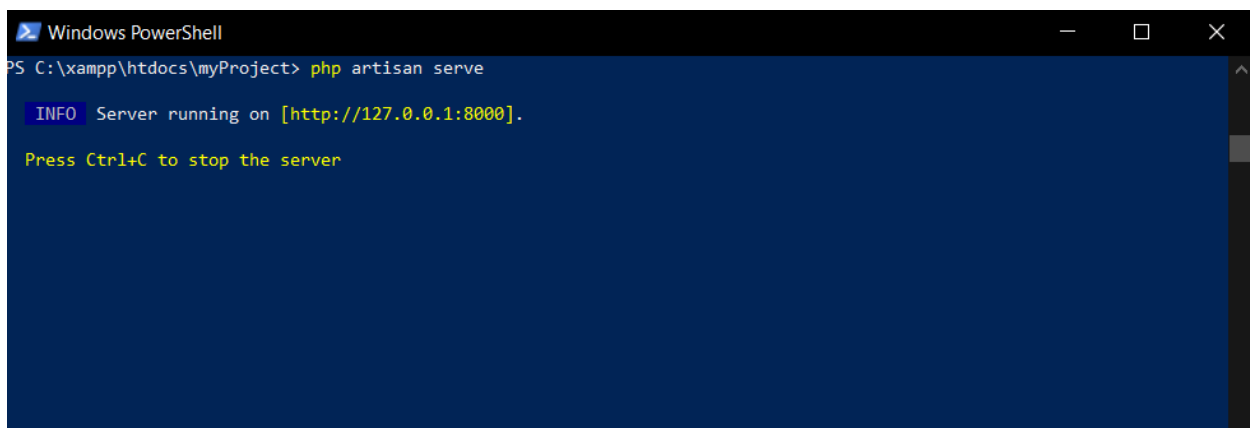
```
Select Windows PowerShell
PS C:\xampp\htdocs\myProject> php artisan
Laravel Framework 9.46.0

Usage:
  command [options] [arguments]

Options:
  -h, --help            Display help for the given command. When no command is given display help for the list command
  -q, --quiet           Do not output any message
  -V, --version         Display this application version
  --ansi|--no-ansi     Force (or disable --no-ansi) ANSI output
  -n, --no-interaction Do not ask any interactive question
  --env[=ENV]          The environment the command should run under
  -v|vv|vvv, --verbose Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Available commands:
  about                Display basic information about your application
  clear-compiled       Remove the compiled class file
  completion           Dump the shell completion script
  db                  Start a new database CLI session
  docs                 Access the Laravel documentation
  down                 Put the application into maintenance mode
```

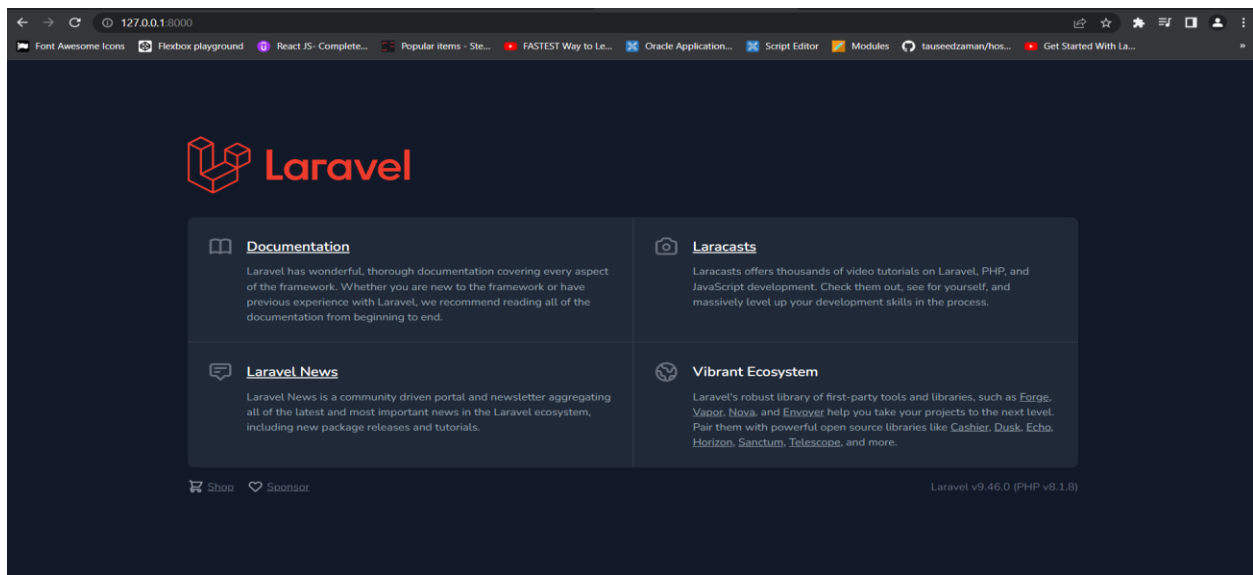
### Laravel Live Server



```
Windows PowerShell
PS C:\xampp\htdocs\myProject> php artisan serve

INFO  Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server
```



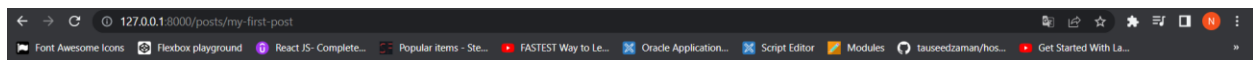
## ROUTING FOR HTTP ACTION/VERBS:

Get:

```
Route::get('/', function () {  
    return "<h1>Hello World</h1>";  
});
```

## Route Wildcards:

```
Route::get('posts/{post}', function ($slug) {  
    //Find a post by its slug and pass it to a view called "post"  
    $post = Post::find($slug);  
  
    return view('post', [  
        'post' => $post  
    ]);  
})->where('posts', '[A-z_\-]+');
```



### My First Post

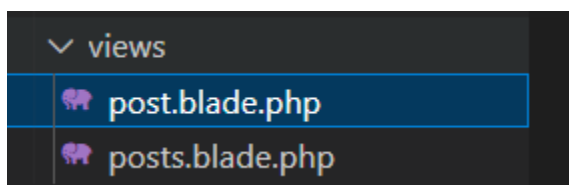
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## ROUTE WILDCARD CONSTRAINT:

```
Route::get('posts/{post}', function ($slug) {  
  
    //Find a post by its slug and pass it to a view called "post"  
    $post = Post::find($slug);  
  
    return view('post', [  
        'post' => $post  
    ]);  
})->where('posts', '[A-z_\-]+');
```

## VIEW COMPONENT WITH BLADE LAYOUT:



## COLLECTION:

```
public static function all()
{
    return collect(File::files(resource_path("posts")))
        ->map(function ($file){
            return YamlFrontMatter::parseFile($file);
        })
        ->map(function($document){

            return new Post(
                $document->title,
                $document->excerpt,
                $document->date,
                $document->body(),
                $document->slug
            );
        })
}
```

## CACHING :

```
return cache() -> remember("post.{slug}",1200, function () user($path){
    return file_get_contents($path);
});
```

## Sorting:

```
public static function all()
{
    return collect(File::files(resource_path("posts")))
        ->map(function ($file){
            return YamlFrontMatter::parseFile($file);
        })
        ->map(function($document){

            return new Post(
                $document->title,
                $document->excerpt,
                $document->date,
                $document->body(),
                $document->slug
            );

        })
        -> sortByDesc('date');
```