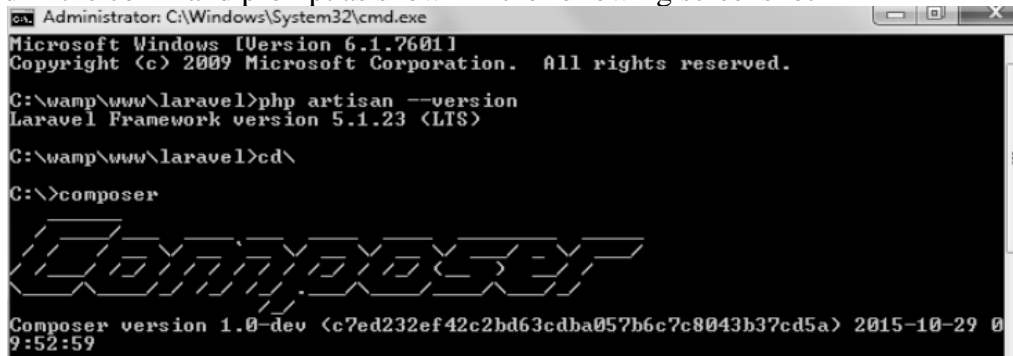## LAB 10 : a. Setup Laravel project (Book Inventory).

Solution:

Step 1: Visit the following URL and download composer to install it on your system

https://getcomposer.org/download/

Step 2: After the Composer is installed, check the installation by typing the Composer command in the command prompt as shown in the following screenshot
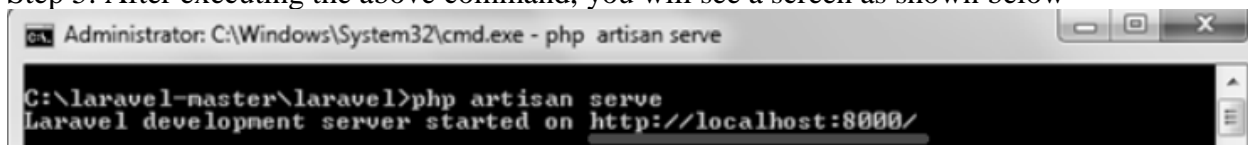

Step 3: Create a new directory anywhere in your system for your new Laravel project. After that, move to path where you have created the new directory and type the following command there to install Laravel.

```
C:\xampp\htdocs\AWT>composer create-project laravel/laravel crud --prefer-di
st
```

Step 4: The above command will install Laravel in the current directory. Start the Laravel service by executing the following command.
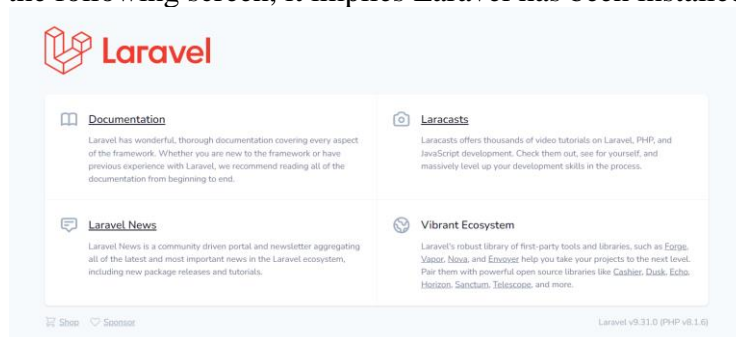
php artisan serve

Step 5: After executing the above command, you will see a screen as shown below
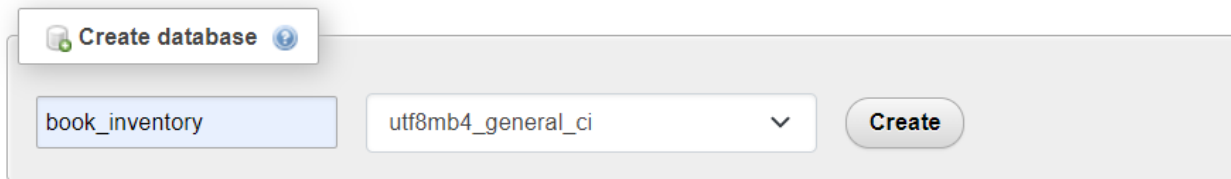

Step 6: Copy the URL underlined in gray in the above screenshot and open that URL in the browser. If you see the following screen, it implies Laravel has been installed successfully.

b. Setup the database in Laravel.

Step 1 : Create new database name : book_inventory

Databases

Create database ⊙

| book_inventory | utf8mb4_general_ci | ∨ | Create |

Step 2 : Now Edit the .env file in the directory

DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=book_inventory
DB_USERNAME=admin
DB_PASSWORD=admin

c. Implement Select Operation in Laravel with GUI

View.blade.php

Output:

Sr no.	Book_id	Book_name	Author	Publisher_date	Publisher	Genre	Language	Edition	Price	Stock	ISBN No.	Actions
1	BO1	THINK LIKE A MONK	JAY SHETTY	8 September 2020	Simmon and Schuster	Self-hlep book	English	First	399	7	9781982149819	⊙ ✎ 🗑
1	BO1	THINK LIKE A MONK	JAY SHETTY	8 September 2020	Simmon and Schuster	Self-hlep book	English	First	399	7	9781982149819	⊙ ✎ 🗑
1	BO1	THINK LIKE A MONK	JAY SHETTY	8 September 2020	Simmon and Schuster	Self-hlep book	English	First	399	7	9781982149819	⊙ ✎ 🗑
1	BO1	THINK LIKE A MONK	JAY SHETTY	8 September 2020	Simmon and Schuster	Self-hlep book	English	First	399	7	9781982149819	⊙ ✎ 🗑
1	BO1	THINK LIKE A MONK	JAY SHETTY	8 September 2020	Simmon and Schuster	Self-hlep book	English	First	399	7	9781982149819	⊙ ✎ 🗑

Code :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>View</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
```

```
awesome/6.2.0/css/all.min.css" integrity="sha512-
xh6O/CkQoPOWDdYTDqeRdPCVd1SpvCA9XXcUnZS2FmJNp1coAFzvtCN9BmamE+4aH
K8yyUHUSCcJH gXloTyT2A==" crossorigin="anonymous" referrerpolicy="no-referrer"
/>
  <link href="{{ URL::asset('css/view.css') }}" rel="stylesheet" type="text/css" >
  @include('link')
</head>
<body>
@include('navbar')
  <table style="margin-top: 30px">
    <tr>
      <td>Book_id</td>
      <td>Book_name</td>
      <td>Author</td>
      <td>Publisher_date</td>
      <td>Publisher</td>
      <td>Genre</td>
      <td>Language</td>
      <td>Edition</td>
      <td>Price</td>
      <td>Stock</td>
      <td>ISBN No.</td>
      <td>Actions</td>
    </tr>
    @foreach($data as $data)
    <tr>
      <td>{{$data->book_id}}</td>
      <td>{{$data->name}}</td>
      <td>{{$data->author}}</td>
      <td>{{$data->date}}</td>
      <td>{{$data->publisher}}</td>
      <td>{{$data->genre}}</td>
      <td>{{$data->language}}</td>
      <td>{{$data->edition}}</td>
      <td>{{$data->price}}</td>

      <td> {{$data->stock}}</td>
      <td>{{$data->isbn}}</td>

      <td> 
        <a href="{{'/details/'.$data->id}}"><i class="fa-solid fa-eye"></i></a>  
        <a href="{{'/edit/'.$data->id}}"><i class="fa-solid fa-pen-
        fancy"></i></a>  
        <a href="{{'/delete/'.$data->id}}" id="delete"><i class="fa-solid fa-close" style="font-
size:20px"></i></a>  
      </td>
```

```
    </tr> @endforeach
  </table>
@include('footer')
</body>
</html>
```

Create BookController:

```
C:\xampp\htdocs\AWT\crud>php artisan migrate

  INFO  Running migrations.

  2014_10_12_000000_create_users_table ........................ 36ms DONE
  2014_10_12_100000_create_password_resets_table .............. 37ms DONE
  2019_08_19_000000_create_failed_jobs_table .................. 45ms DONE
  2019_12_14_000001_create_personal_access_tokens_table ....... 56ms DONE
  2022_11_07_043019_create_user_table ......................... 24ms DONE
```

Code:

```php
<?php

namespace App\Http\Controllers;use
App\Models\Book;
use Illuminate\Http\Request;

use Illuminate\Support\Facades\DB;
use Throwable;
class BookController extends Controller

{

public function index(){

    $data = Book::all();

    return view('view',['data'=>$data,]);

 }

}
```

Route:

```php
Route::get('/dbsel',[BookController::class,'index']);
```