EXPERIMENT NO. 7

AIM: Create a web application using laravel framework. The web application should contain laravels user registration process.

THEORY:

#What is Laravel?

Laravel is a web application framework with expressive, elegant syntax. Laravel have already laid the foundation — freeing you to create without sweating the small things.

Laravel attempts to take the pain out of development by easing common tasks used in the majority of web projects, such as authentication, routing, sessions, and caching. Laravel aims to make the development process a pleasing one for the developer without sacrificing application functionality.

There are four requirements for laravel framework:

1. **Visual Studio Code** – Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control.
   It aims to provide just the tools the developer needs for a quick code-build-debug cycle.
2. **Xampp Server** – XAMPP is an abbreviation for cross-platform, Apache, MySQL, PHP and Perl.
3. **Composer** – Composer is a tool for dependency management in PHP. It allows you to declare the libraries your project depends on and it will manage (install/update) them for you. It helps us installing/updating various requirements/components for our app such as Laravel framework.
4. **Git and Github** – Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency. GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.

#Steps to create a web application using laravel framework (contains laravel's User-Registration process):

- Open *Apache2* and *MySql*.
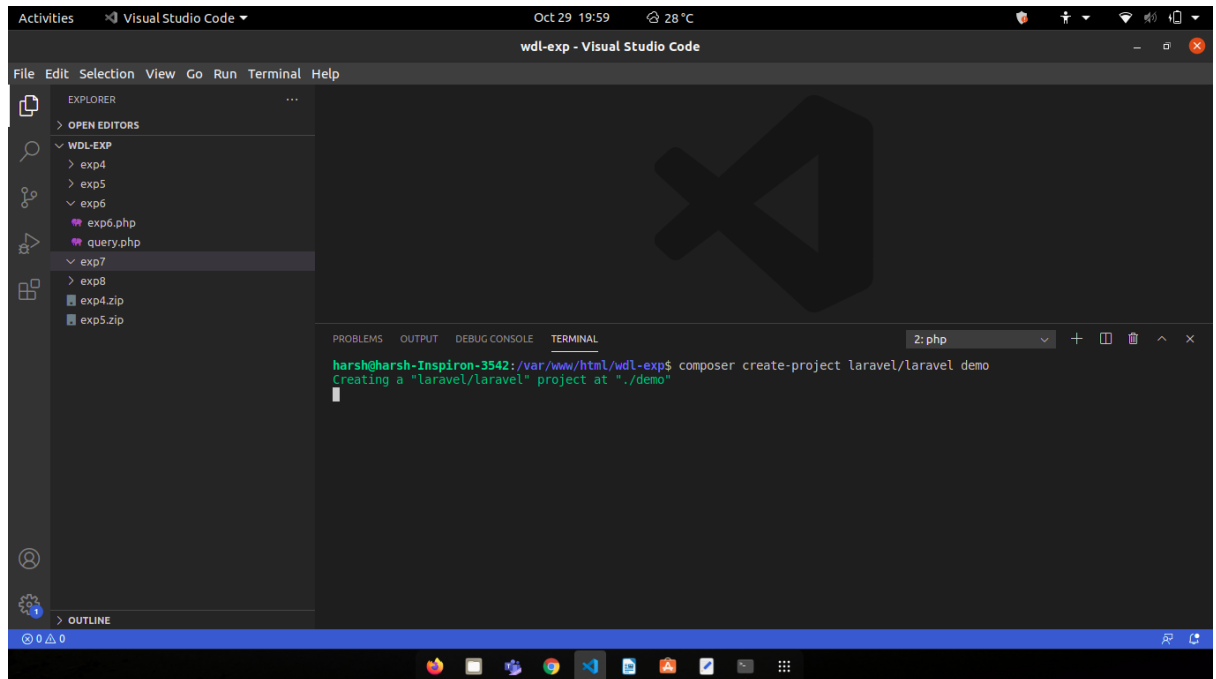- Open 'Visual Studio Code'.

Note:- Using Ubuntu Linux

Write the following in the terminal of VS Code:

1. Open a folder wdl-exp in var/www/html/
2. In terminal, run,

   <mark>composer create-project laravel/laravel demo1</mark>

   It will take some time to execute and then it will show 'Application key set successfully'. It will create Laravel project with all dependencies in folder named demo.
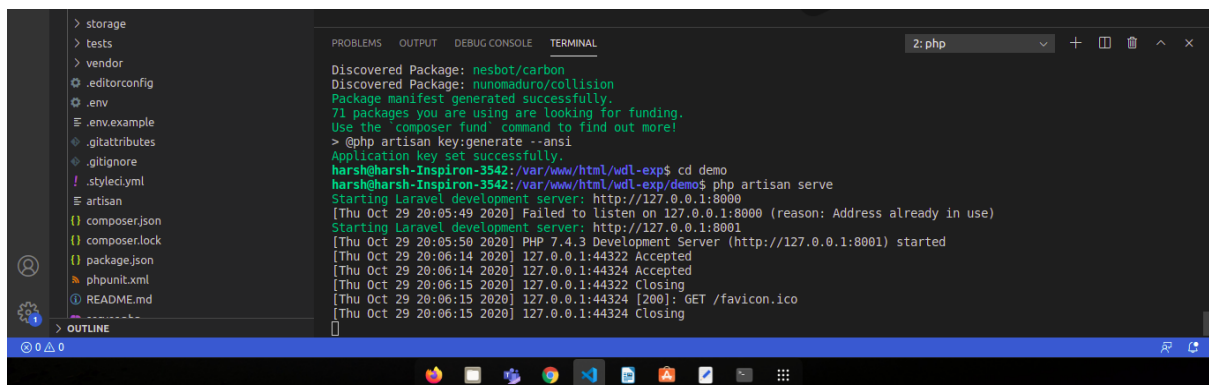

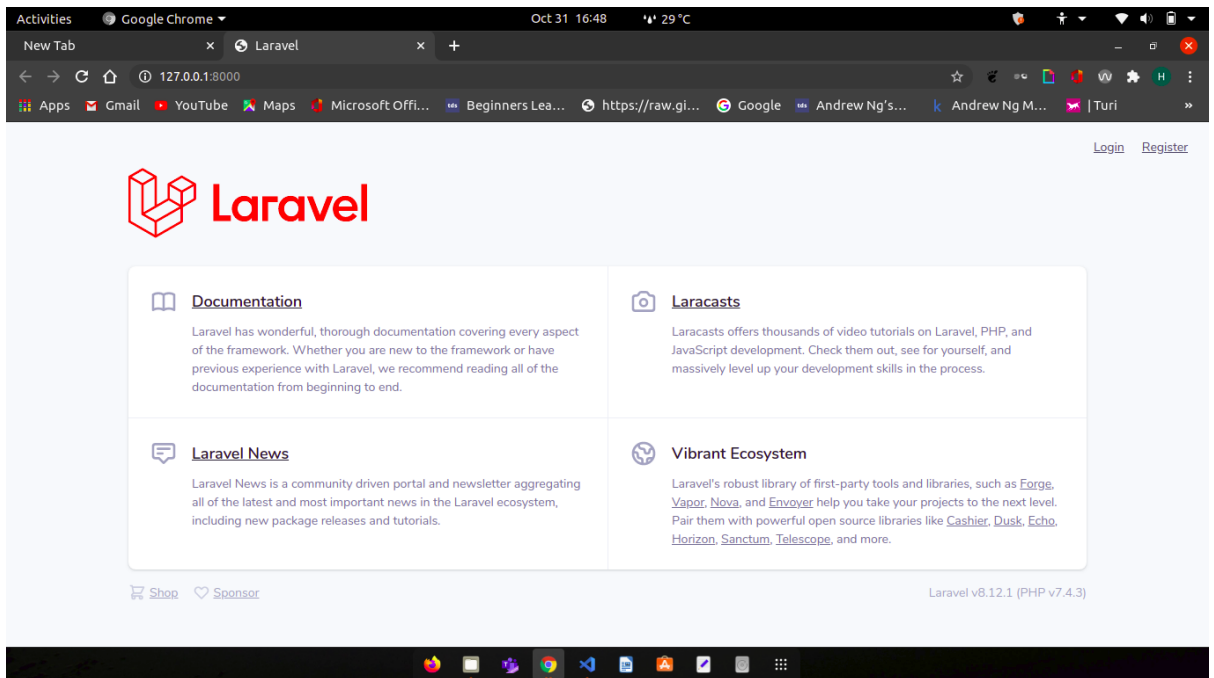3. Now, go to demo folder where you created laravel project suing command –

   <mark>*cd demo*</mark>

4. Now, run the server run the below command –

   <mark>*php artisan serve*</mark>

   and go to link provided https://127.0.0.1:8000

5. Go to resources->views> here, create a folder name login. In this folder create *'login.blade.php'* file.

6. In login.blade.php file, write the code - <h1>Login</h1>.

7. Now go to routes->web.php.

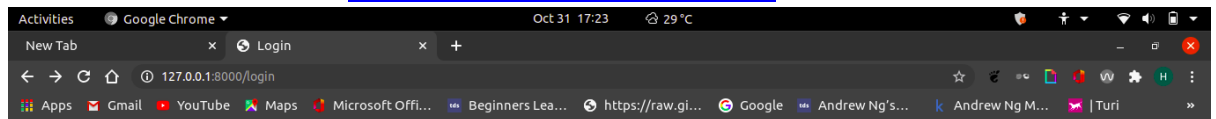Write below code in web.php file to access login.blade.php file –

Route::view('/login','login.login');

8. After writing this code go to terminal and write –
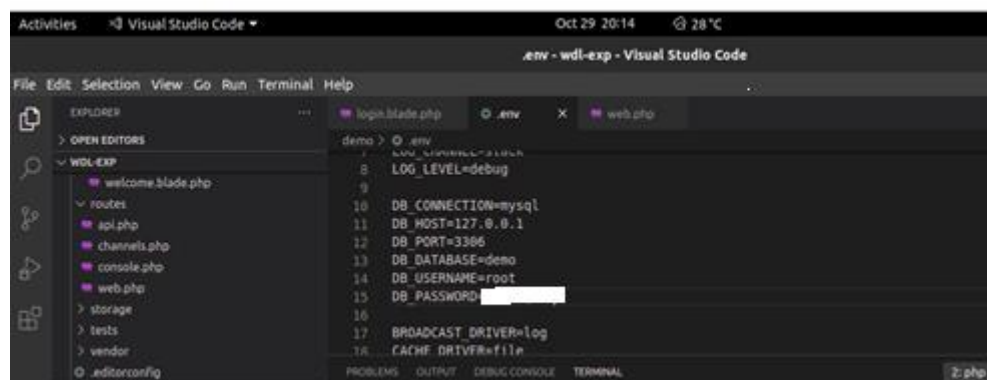 *php artisan serve*
And then go to chrome and run the server as-
 https://127.0.0.1:8000/login

9. Now go to localhost/phpMyAdmin and create the new database name demo.
10. Now, go back to visual studio code where the project is open and go to .env –
Change the database name and Password there –
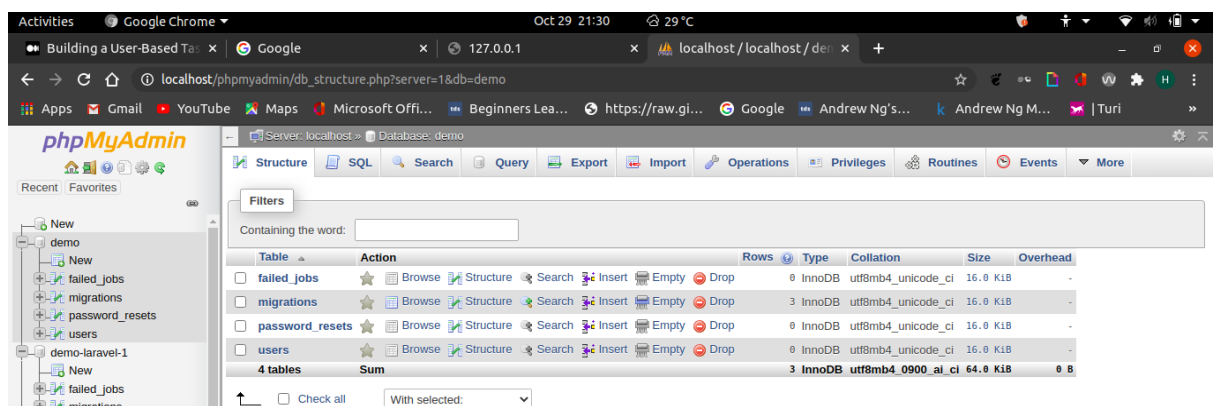Initially it was - DB_DATABASE=laravel
Change it to - DB_DATABASE=demo
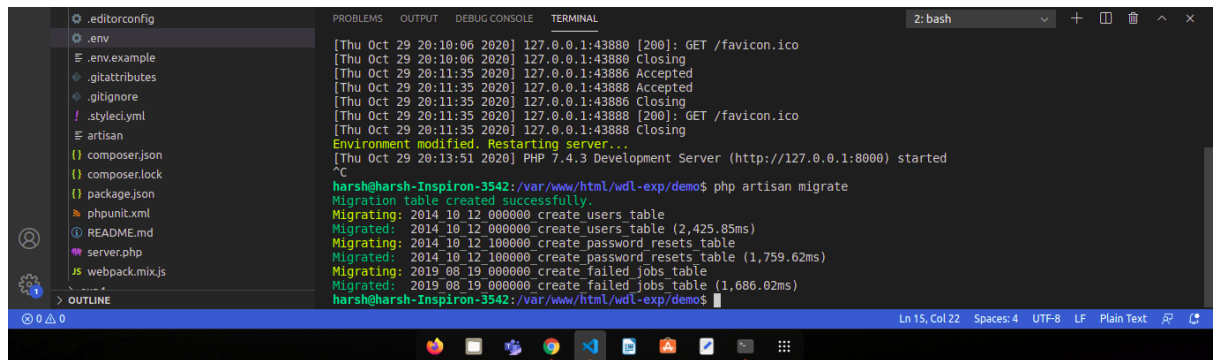
11. Now u have to migrate tables in your database name demo. To migrate run the following command –

==highlight== php artisan migrate

After migration, tables will be created in database name demo database.

12. Now, for ui of login and registration of laravel framework –

==highlight== *composer require laravel/ui*

13. Type the below code for UI authentication –

==highlight== *php artisan ui:auth*

14. Restart the server again by - ==highlight== *php artisan serve*

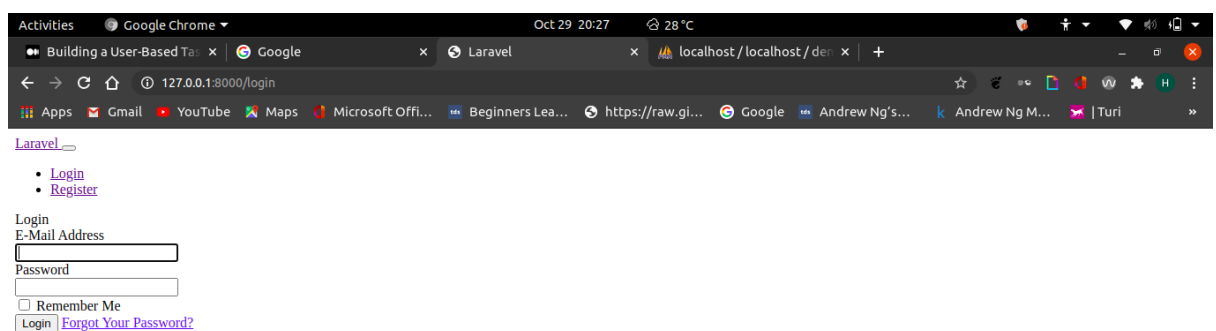15. Go to browser and run the server, https://127.0.0.1:8000/login
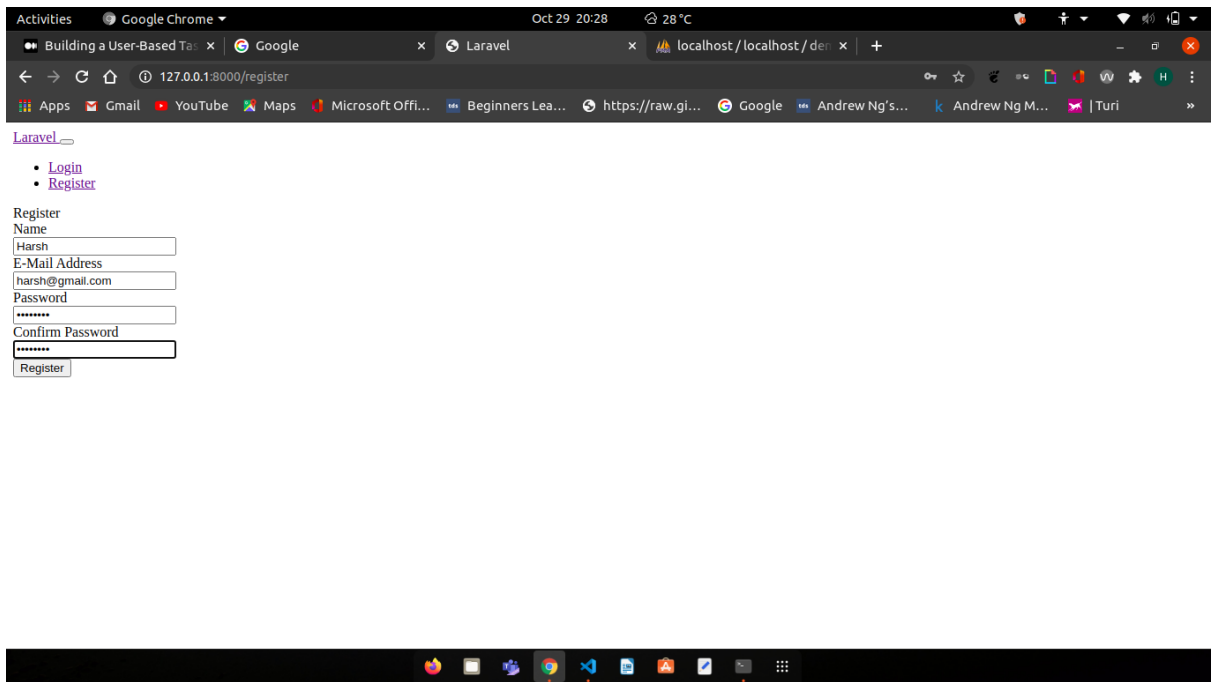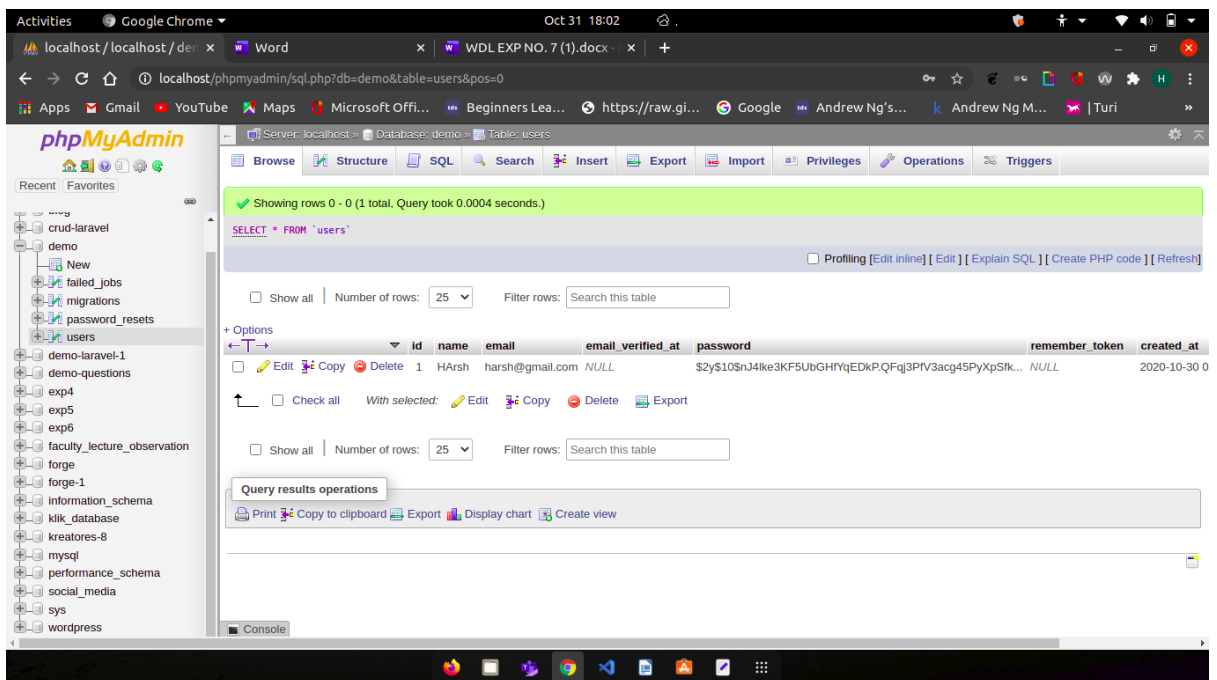

Fig. Login Page
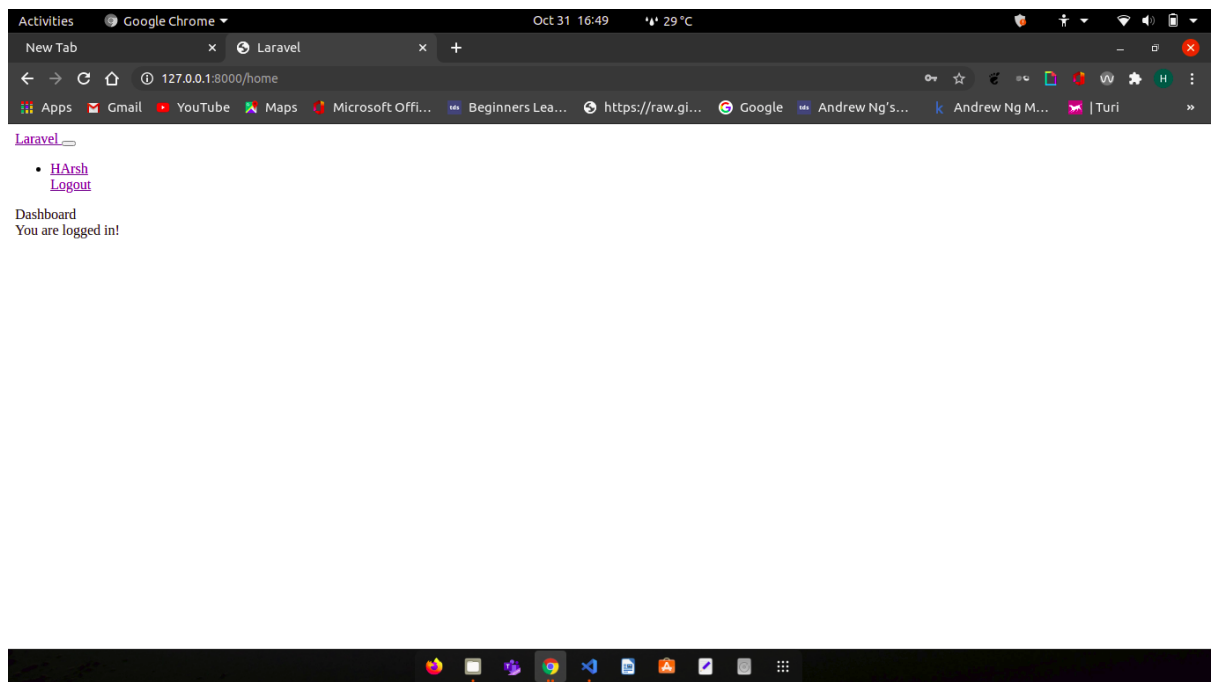
Fig. Registration Page

Fig. Database

Fig. Dashboard

16. Login registration using Laravel User-Registration is successfully done.

CONCLUSION: Thus, in this experiment we have successfully studied how to implement Laravel User Login-Registration Process.