

## **EXPERIMENT NO:6**

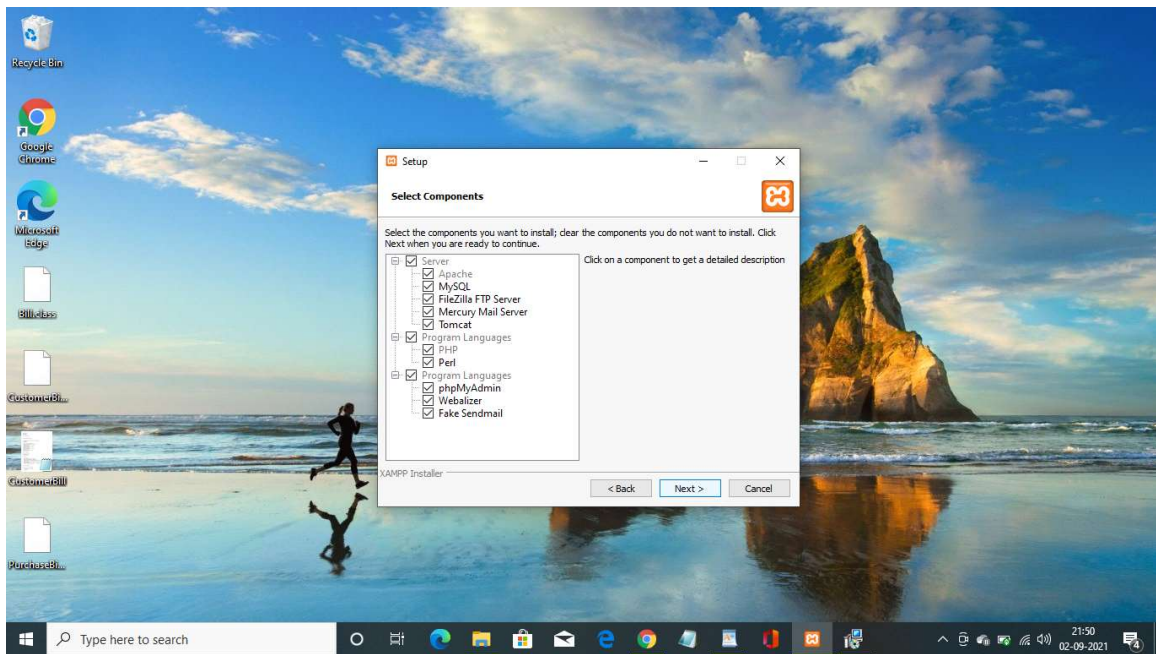
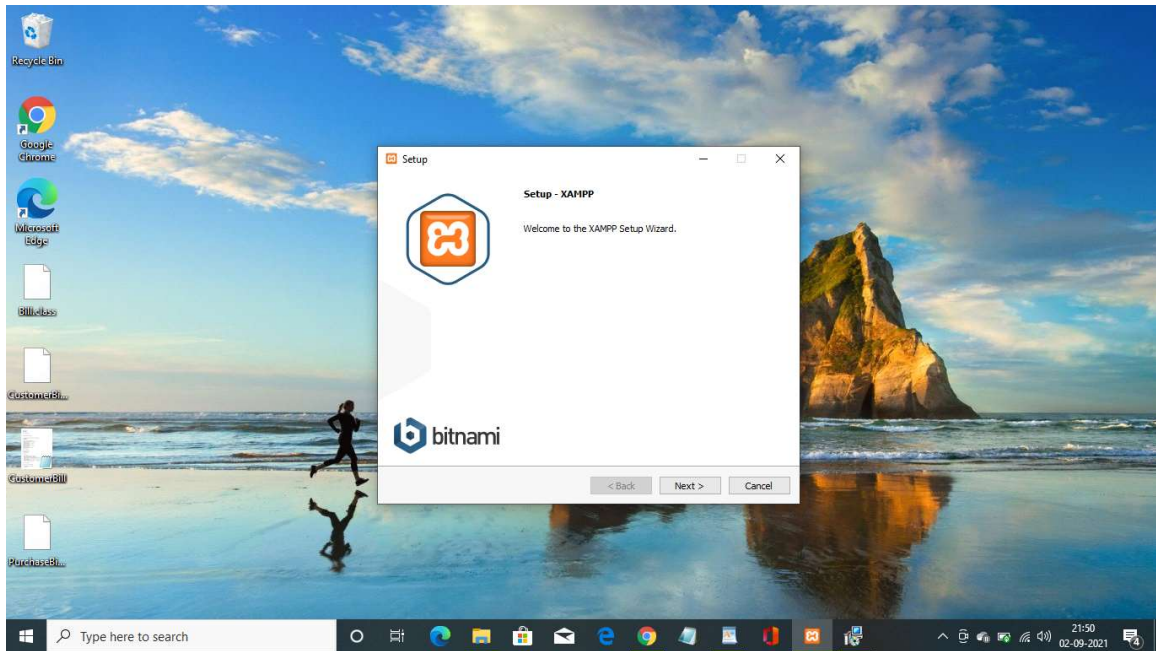
### **AIM : - INSTALLATION AND CONFIGURATION OF PHP** **FRAMEWORK LARAVEL**

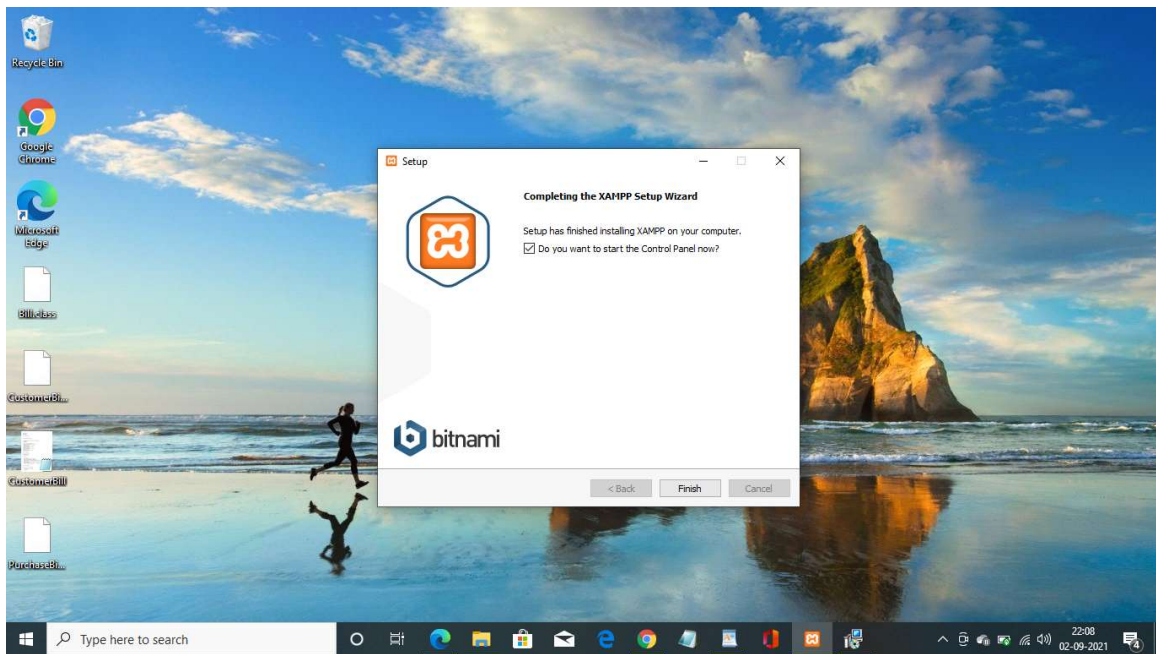
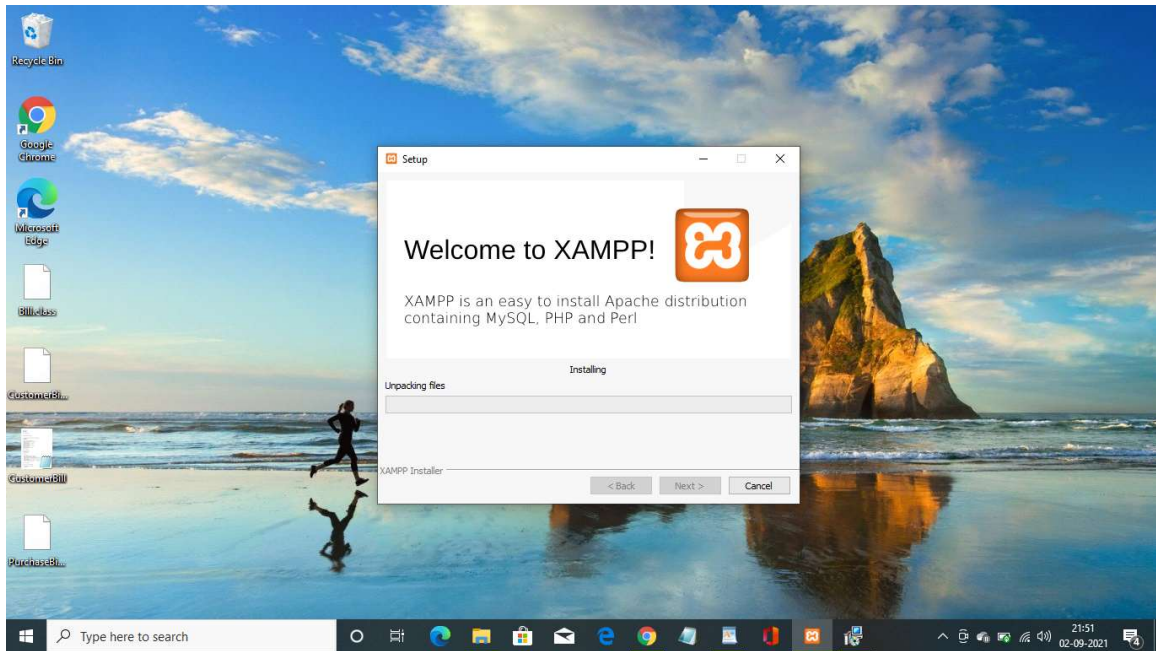
#### **LARAVEL**

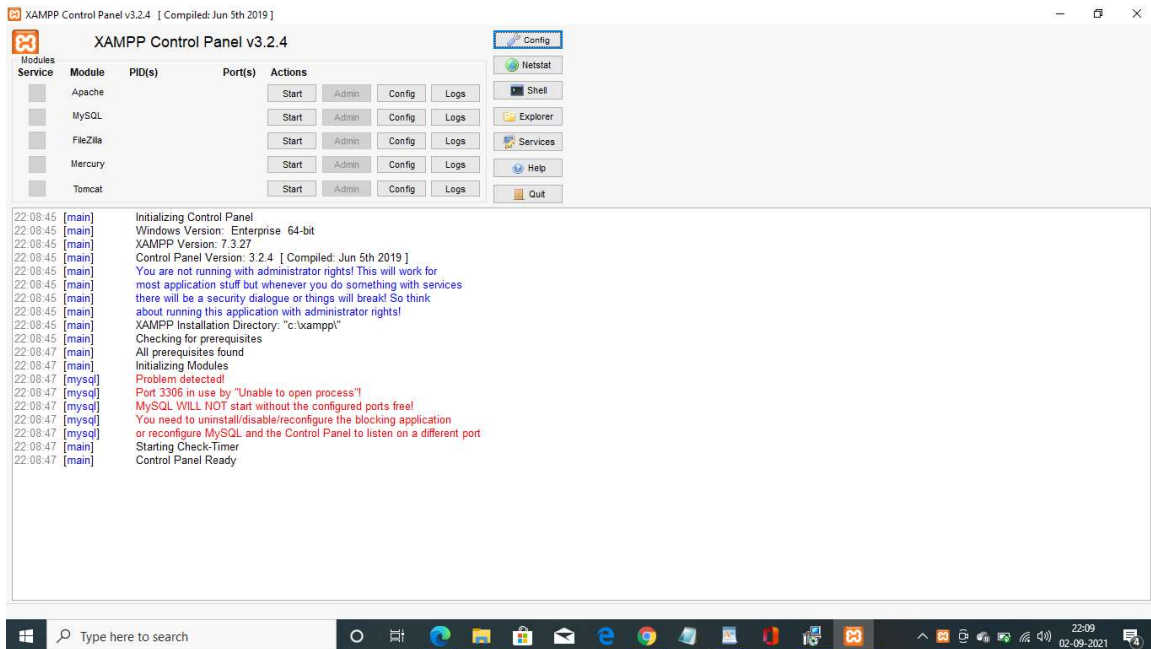
Laravel is an open-source PHP framework, which is robust and easy to understand. It reuses the existing components of different frameworks which helps in creating a web application. The web application thus designed is more structured and sensible. A website built in Laravel is secure and prevents several web attacks.

#### **PROCEDURE**

Install xampp





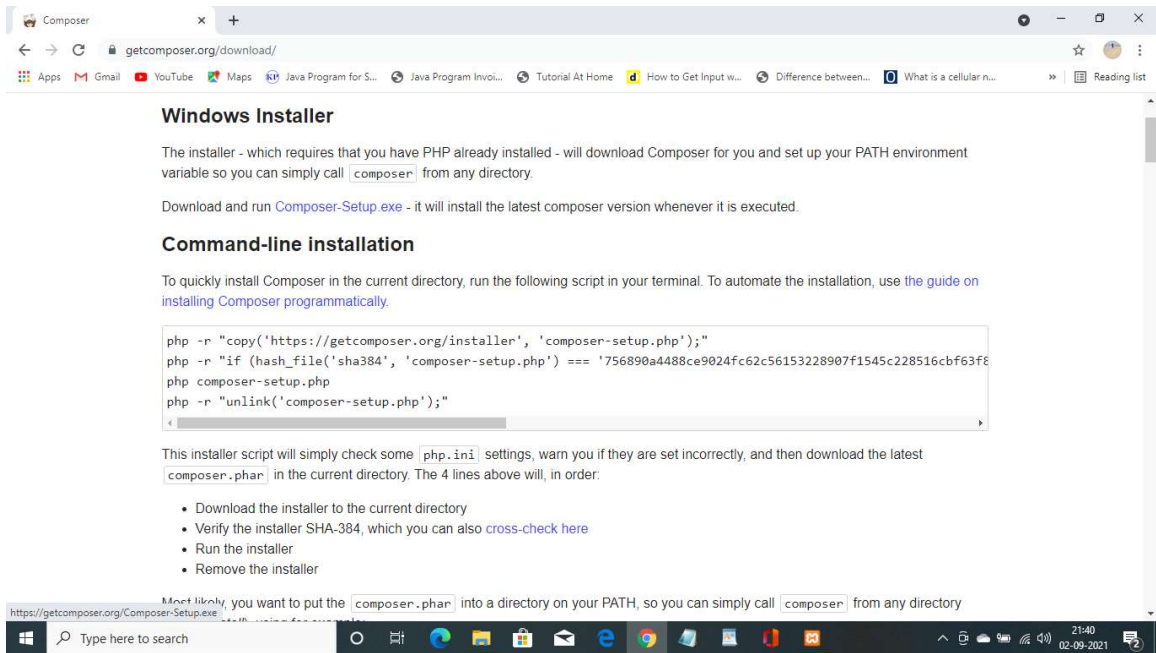
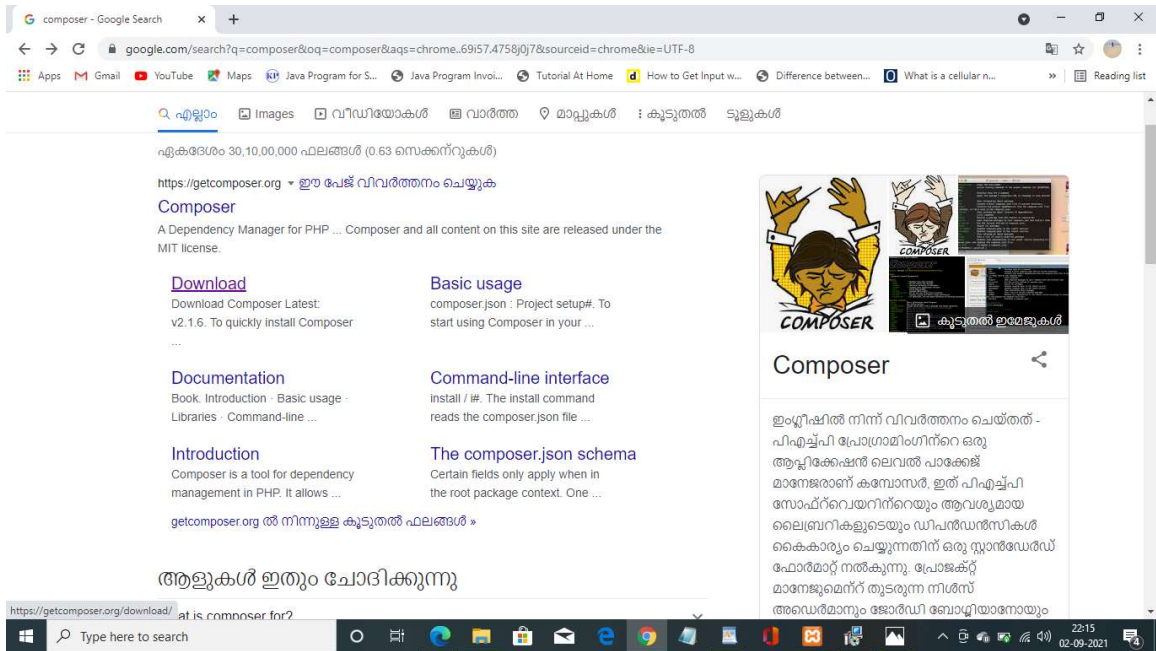


Sucessfully installed XAMPP.

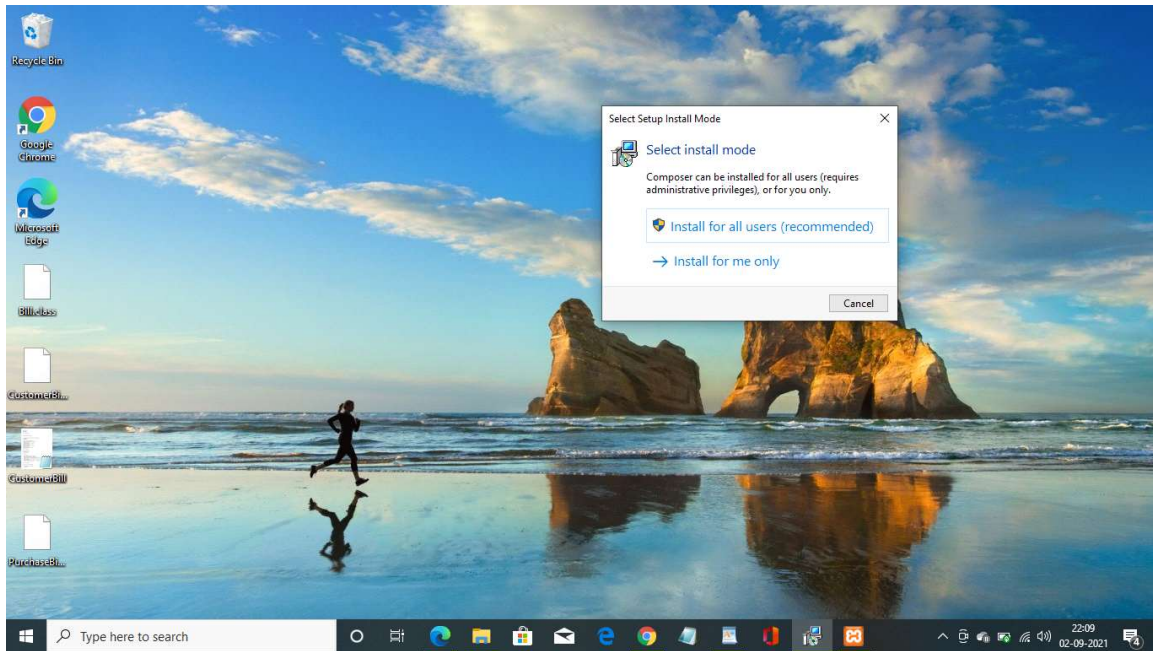
## step 2:setup composer

Composer is a tool which includes all the dependencies and libraries. It allows a user to create a project with respect to the mentioned framework (for example, those used in Laravel installation). Third party libraries can be installed easily with help of composer.

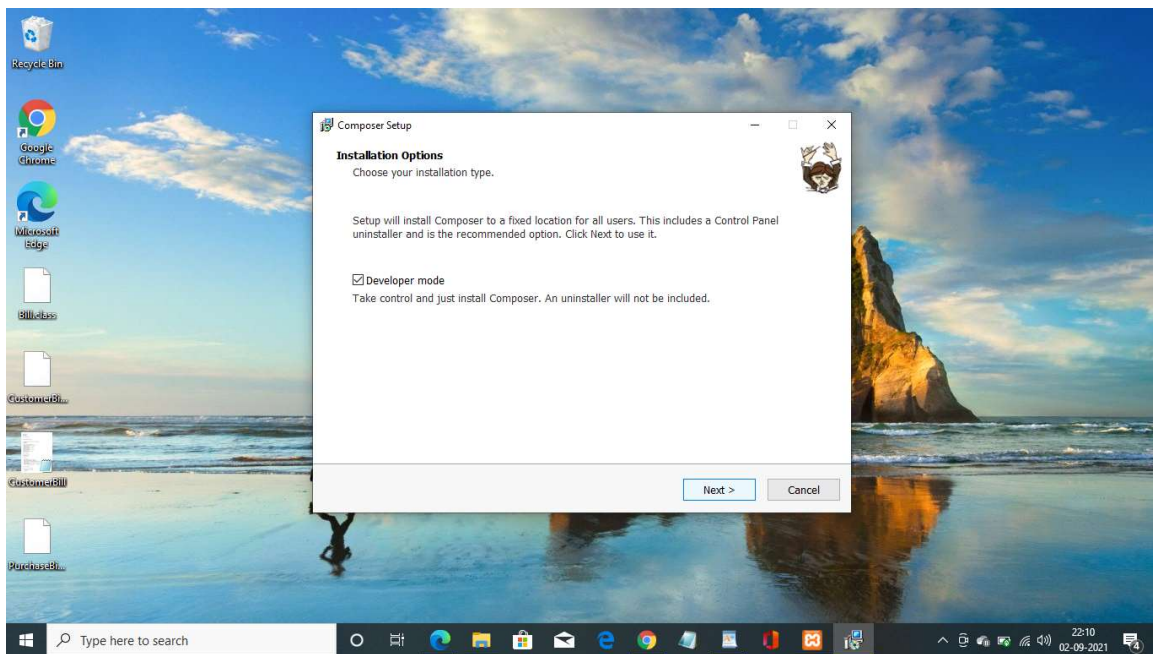




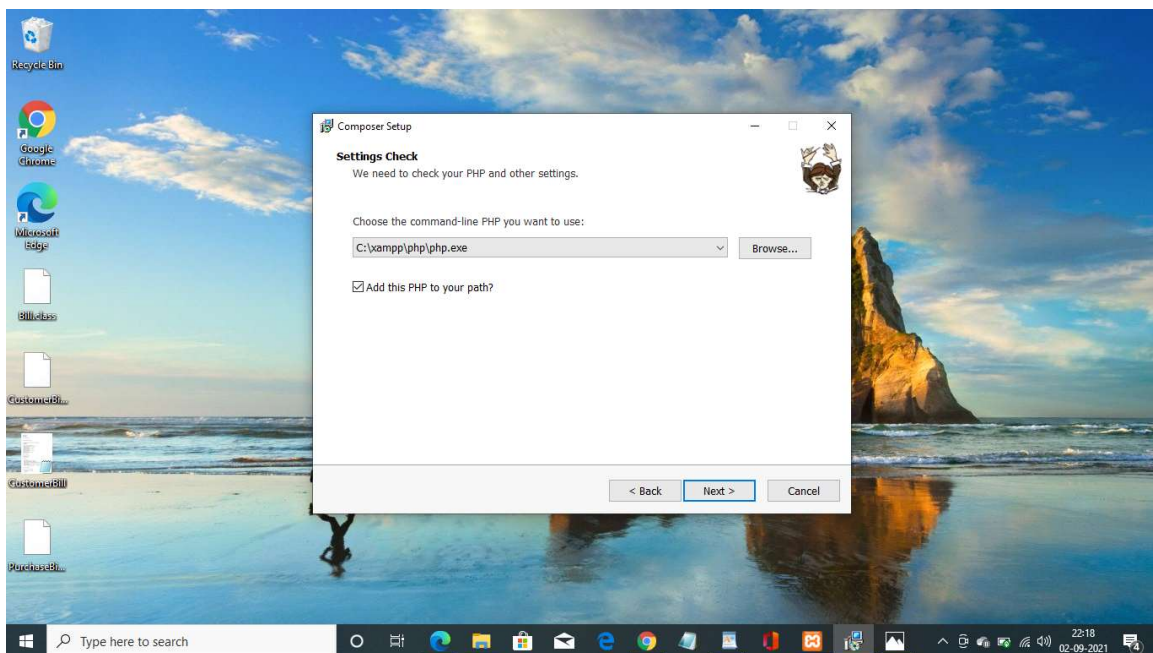
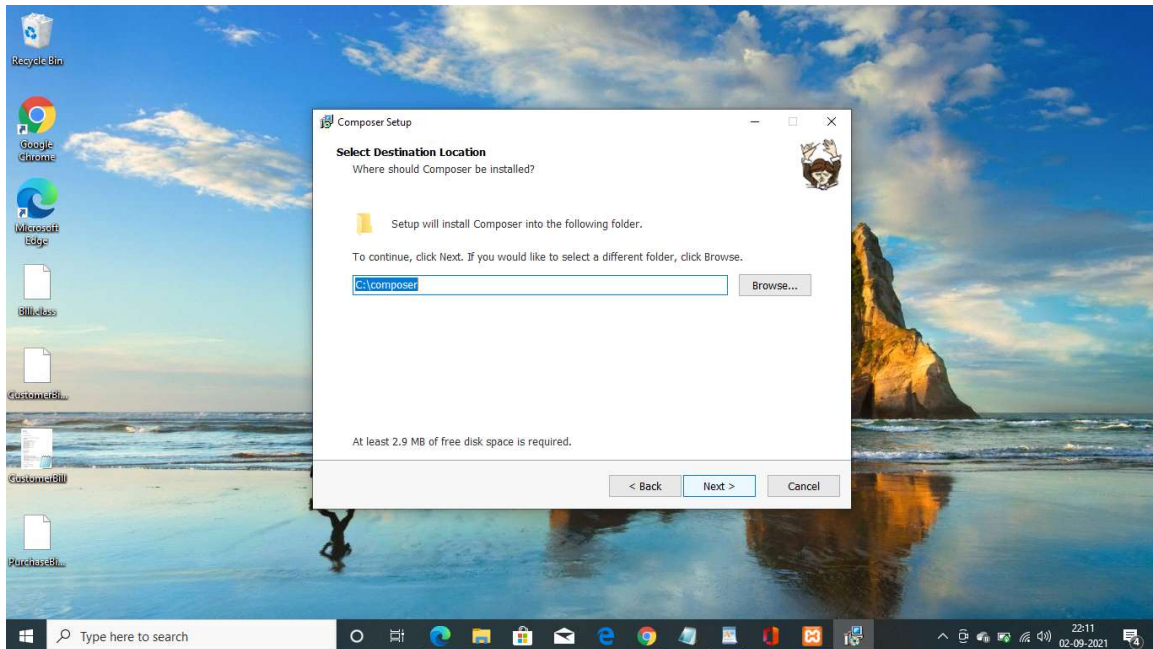
Click on the Composer.setup.exe and the file get downloaded



click on install for all users.

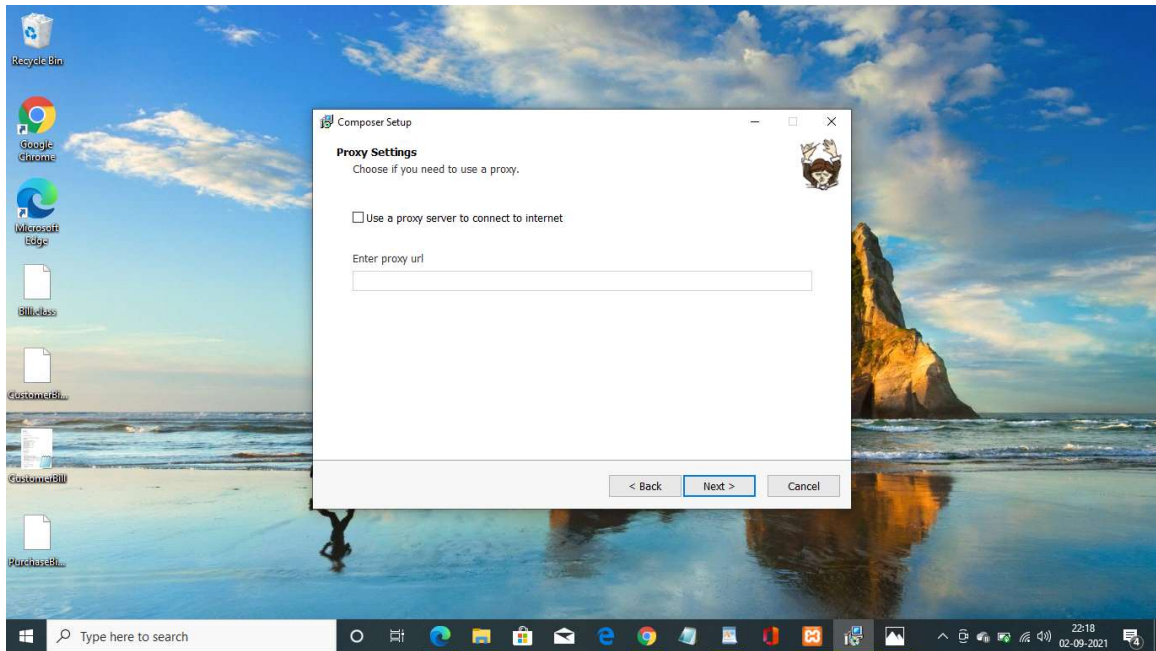


check the developer mode

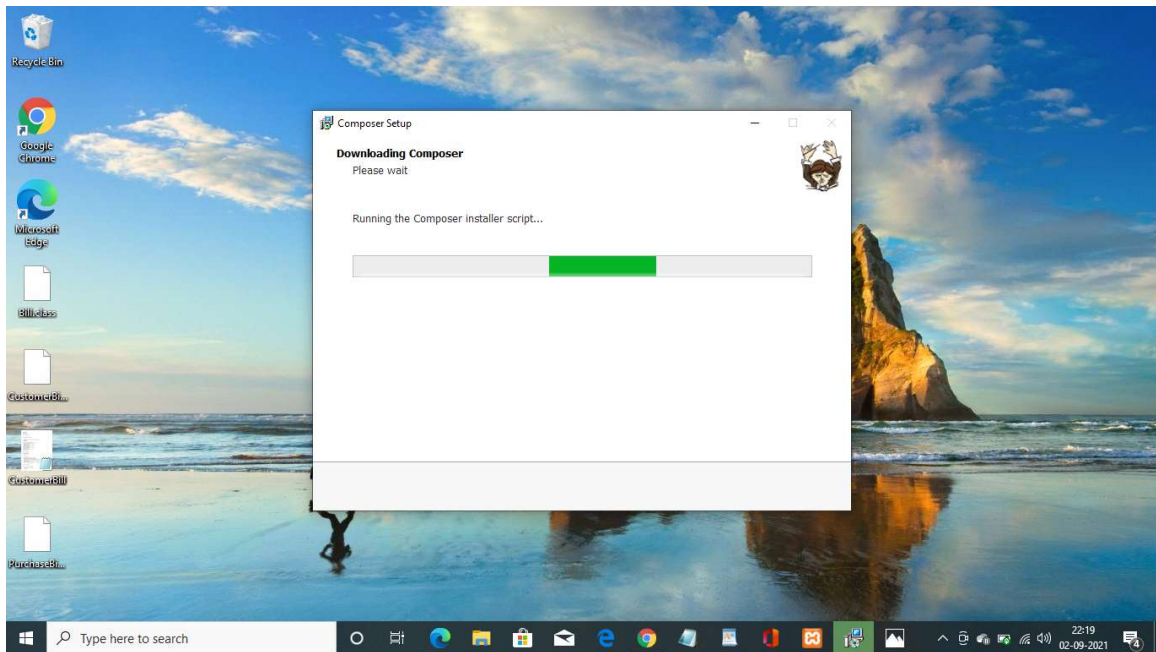


check the box if needed to add path to the system environment variable along with the installation ,otherwise leave as such and later setup the path environment variable.

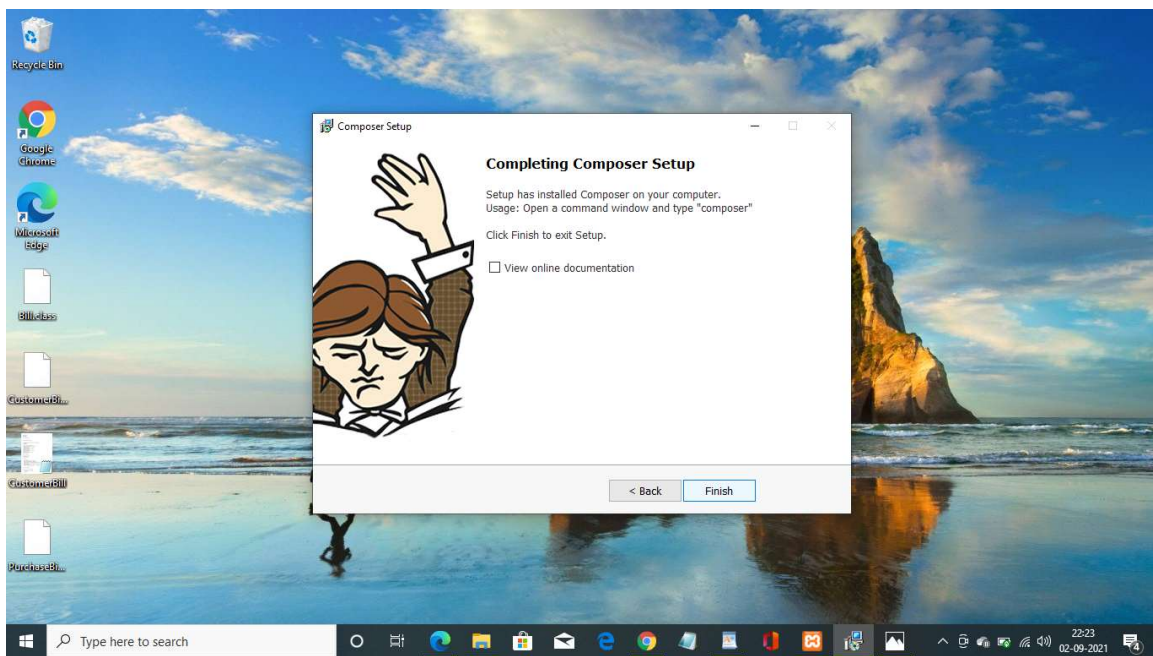
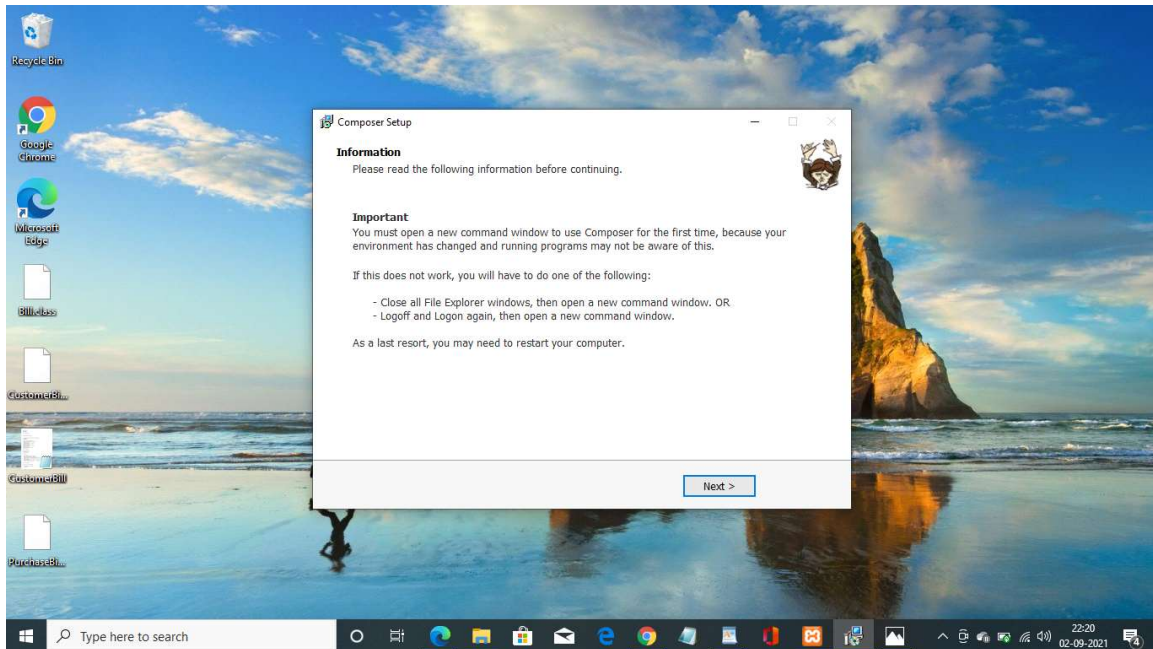




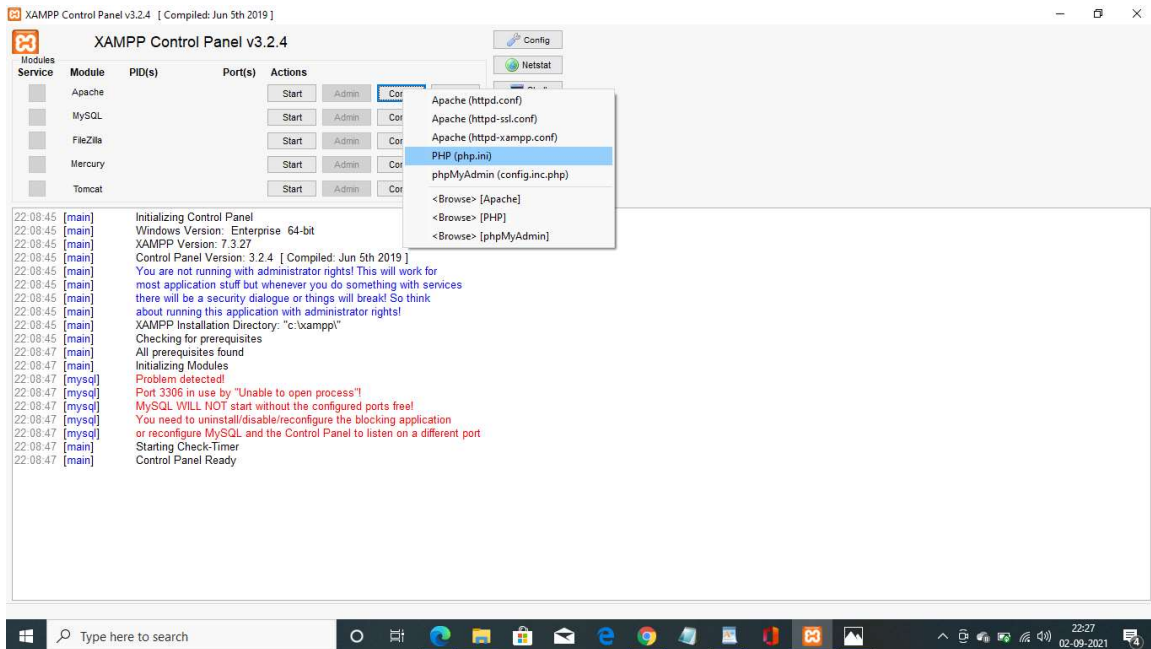
leave as such and click next



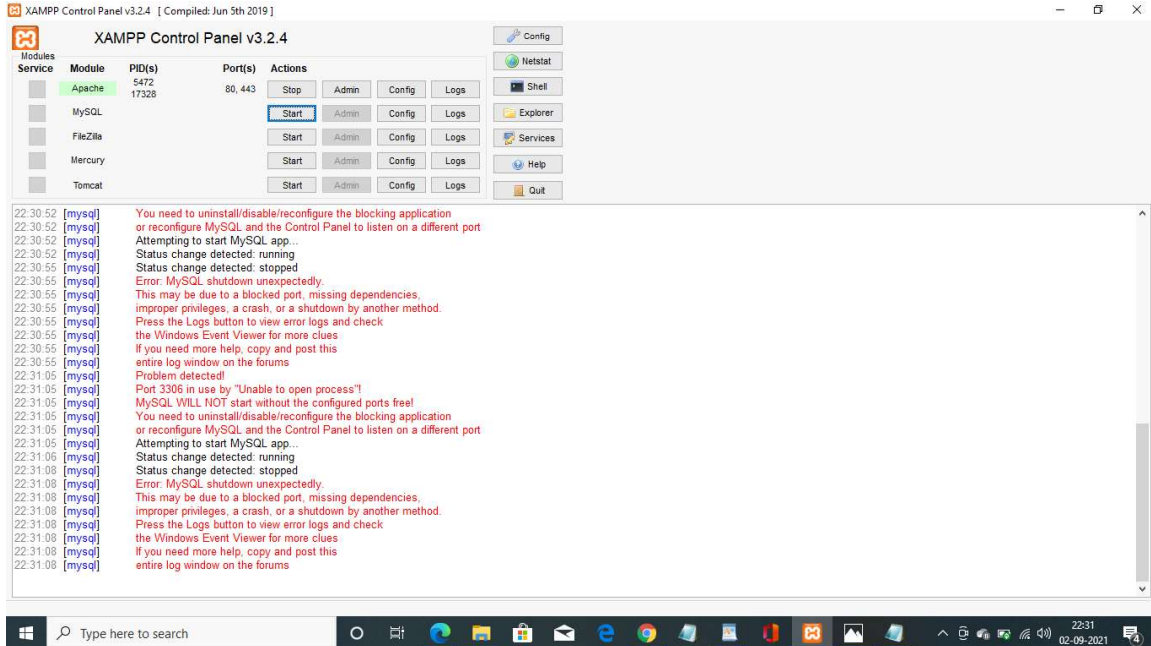




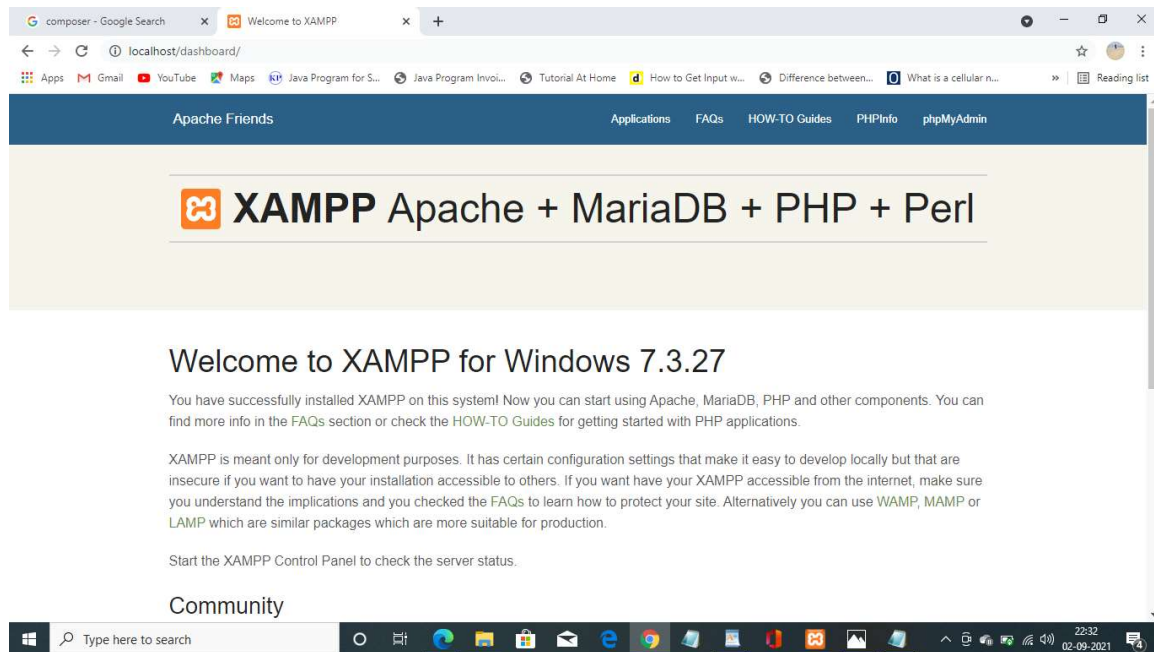
Now the composer get successfully installed



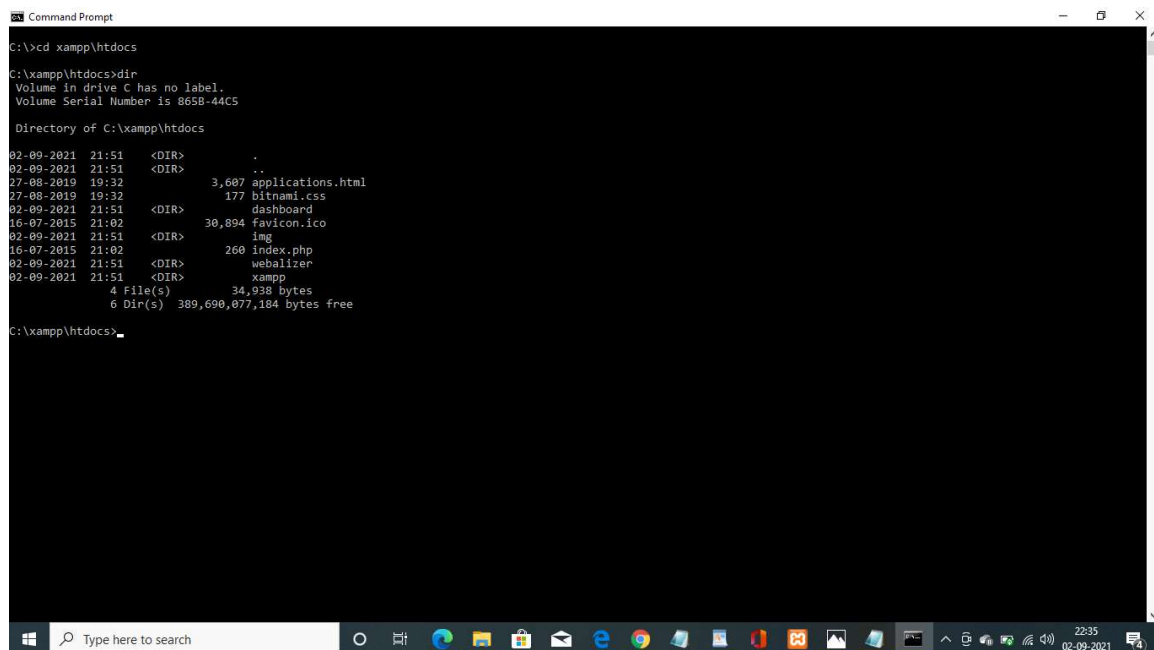
check whether all the extensions required are properly installed by right click on config near appache and select php/php.in) and search extension which are installed.



open the browser and type localhost



open command prompt





Enter on htdocs and type the command "composer create-project laravel/laravel myapp", here in the place of myapp we can give whatever name we wish to give our application.

```
Command Prompt
C:\>cd xampp\htdocs
C:\xampp\htdocs>dir
Volume in drive C has no label.
Volume Serial Number is 8658-44C5

Directory of C:\xampp\htdocs

02-09-2021  21:51    <DIR>          .
02-09-2021  21:51    <DIR>          ..
27-08-2019  19:32             3,687 applications.html
27-08-2019  19:32             177 bitnami.css
02-09-2021  21:51    <DIR>          dashboard
16-07-2015  21:02            30,894 favicon.ico
02-09-2021  21:51    <DIR>          img
16-07-2015  21:02             260 index.php
02-09-2021  21:51    <DIR>          webalizer
02-09-2021  21:51    <DIR>          xampp
               4 File(s)      34,938 bytes
               6 Dir(s)    389,690,077,184 bytes free

C:\xampp\htdocs>composer create-project laravel/laravel myapp
```

```
Command Prompt
C:\xampp\htdocs>composer create-project laravel/laravel myapp
Creating a "laravel/laravel" project at "../myapp"
Installing laravel/laravel (v8.6.1)
  - Downloading laravel/laravel (v8.6.1)
  - Installing laravel/laravel (v8.6.1): Extracting archive
Created project in C:\xampp\htdocs\myapp
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 106 installs, 0 updates, 0 removals
  - Locking asm83/stack-cors (v2.0.3)
  - Locking brick/math (0.9.3)
  - Locking doctrine/inflector (2.0.3)
  - Locking doctrine/instantiator (1.4.0)
  - Locking doctrine/lexer (1.2.1)
  - Locking dragonmantank/cron-expression (v3.1.0)
  - Locking egulias/email-validator (2.1.25)
  - Locking facade/flare-client-php (1.8.1)
  - Locking facade/ignition (2.12.0)
  - Locking facade/ignition-contracts (1.0.2)
  - Locking fakerphp/faker (v1.15.0)
  - Locking filp/whoops (2.14.1)
  - Locking fruitcake/laravel-cors (v2.0.4)
  - Locking graham-campbell/result-type (v1.0.2)
  - Locking guzzlehttp/guzzle (7.3.0)
  - Locking guzzlehttp/promises (1.4.1)
  - Locking guzzlehttp/psr7 (2.0.0)
  - Locking hamcrest/hamcrest-php (v2.0.1)
  - Locking laravel/framework (v8.58.0)
  - Locking laravel/sail (v1.10.1)
  - Locking laravel/sanctum (v2.11.2)
  - Locking laravel/tinker (v2.6.1)
  - Locking league/commonmark (1.6.6)
  - Locking league/flysystem (1.1.5)
  - Locking league/mime-type-detection (1.7.0)
  - Locking mockery/mockery (1.4.3)
  - Locking monolog/monolog (2.3.2)
  - Locking myclabs/deep-copy (1.10.2)
  - Locking nesbot/carbon (2.52.0)
  - Locking nikic/php-parser (v4.12.0)
  - Locking numomaduro/collision (v5.9.0)
  - Locking opis/closure (3.6.2)
```

```
Select Command Prompt
- Installing sebastian/object-enumerator (4.0.4): Extracting archive
- Installing sebastian/global-state (5.0.3): Extracting archive
- Installing sebastian/exporter (4.0.3): Extracting archive
- Installing sebastian/environment (5.1.3): Extracting archive
- Installing sebastian/diff (4.0.4): Extracting archive
- Installing sebastian/comparator (4.0.6): Extracting archive
- Installing sebastian/code-unit (1.0.8): Extracting archive
- Installing sebastian/cli-parser (1.0.1): Extracting archive
- Installing phpunit/php-timer (5.0.3): Extracting archive
- Installing phpunit/php-text-template (2.0.4): Extracting archive
- Installing phpunit/php-invoker (3.1.1): Extracting archive
- Installing phpunit/php-file-iterator (3.0.5): Extracting archive
- Installing theseer/tokenizer (1.2.1): Extracting archive
- Installing sebastian/lines-of-code (1.0.3): Extracting archive
- Installing sebastian/complexity (2.0.2): Extracting archive
- Installing sebastian/code-unit-reverse-lookup (2.0.3): Extracting archive
- Installing phpunit/php-code-coverage (9.2.6): Extracting archive
- Installing doctrine/instantiator (1.4.0): Extracting archive
- Installing phpspec/prophecy (1.13.0): Extracting archive
- Installing phar-io/version (3.1.0): Extracting archive
- Installing phar-io/manifest (2.0.3): Extracting archive
- Installing myclabs/deep-copy (1.10.2): Extracting archive
- Installing phpunit/phpunit (9.5.0): Extracting archive
78 package suggestions were added by new dependencies, use 'composer suggest' to see details.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: firefly-laravel-cors
Discovered Package: laravel/sail
Discovered Package: laravel/sanctum
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
75 packages you are using are looking for funding.
Use the "composer fund" command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi
No publishable resources for tag [laravel-assets].
Publishing complete.
> @php artisan key:generate --ansi
Application key set successfully.

C:\xampp\htdocs>
```

Now the project myapp is successfully created .

```
Command Prompt
C:\xampp\htdocs>cd myapp
C:\xampp\htdocs\myapp>dir
```

```
Command Prompt
C:\xampp\htdocs>cd myapp
C:\xampp\htdocs\myapp>dir
Volume in drive C has no label.
Volume Serial Number is 865B-44C5

Directory of C:\xampp\htdocs\myapp

02-09-2021 22:47 <DIR> .
02-09-2021 22:47 <DIR> ..
02-09-2021 22:46 258 .editorconfig
02-09-2021 22:50 920 .env
02-09-2021 22:46 869 .env.example
02-09-2021 22:46 111 .gitattributes
02-09-2021 22:46 207 .gitignore
02-09-2021 22:46 194 .styleci.yml
02-09-2021 22:46 <DIR> app
02-09-2021 22:46 <DIR> 1,686 artisan
02-09-2021 22:46 <DIR> bootstrap
02-09-2021 22:46 1,735 composer.json
02-09-2021 22:47 273,378 composer.lock
02-09-2021 22:46 <DIR> config
02-09-2021 22:46 <DIR> database
02-09-2021 22:46 473 package.json
02-09-2021 22:46 1,202 phpunit.xml
02-09-2021 22:46 <DIR> public
02-09-2021 22:46 3,964 README.md
02-09-2021 22:46 <DIR> resources
02-09-2021 22:46 <DIR> routes
02-09-2021 22:46 563 server.php
02-09-2021 22:46 <DIR> storage
02-09-2021 22:46 <DIR> tests
02-09-2021 22:49 <DIR> vendor
02-09-2021 22:46 559 webpack.mix.js
14 File(s) 286,119 bytes
12 Dir(s) 389,615,968,256 bytes free

C:\xampp\htdocs\myapp>
```

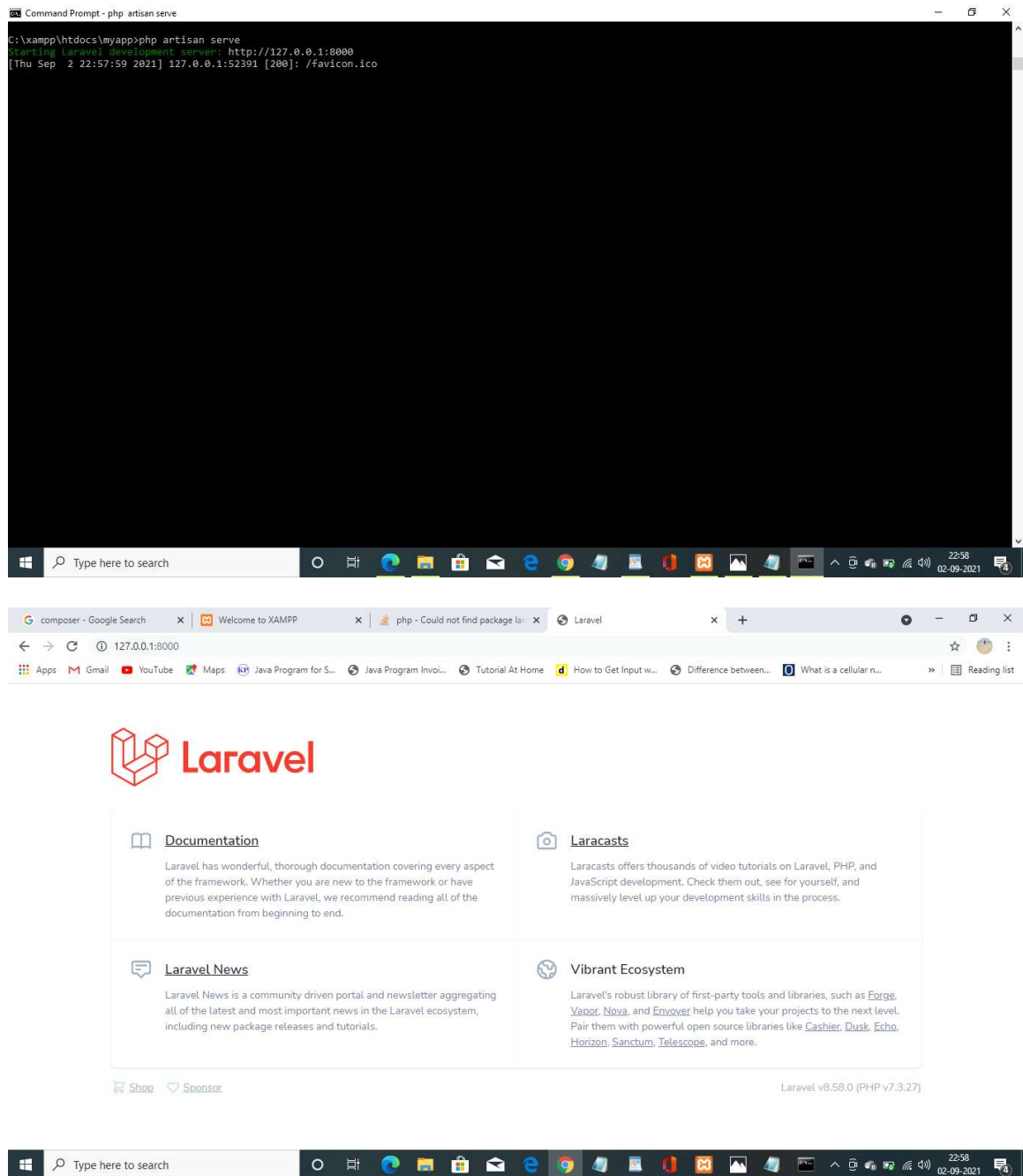
To start the app "myapp" type "php artisan myapp"

```
Command Prompt
C:\xampp\htdocs\myapp>php artisan serve
```

To check laravel is successfully installed ,just copy the url shown



and paste it on the browser



Laravel successfully installed..!!



