

FULL STACK DEVELOPMENT

ASSIGNMENT 01

HOW TO MAKE
YOUR LAPTOP
A WEB SERVER?

Virupakshan K

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FSD SYLLABUS

VirupakshanK@gmail.com

1	Unit-1 -Basics of MERN Stack
1.1	MERN Introduction
1.2	MERN Components - React - Node.js - Express - MongoDB
1.3	Need for MERN
1.4	Server-Less Hello World
1.5	Server Setup
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3.22	T7: Express based web development

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STEP 1: DOWNLOAD WAMPSERVER (EXE) FOR WINDOWS

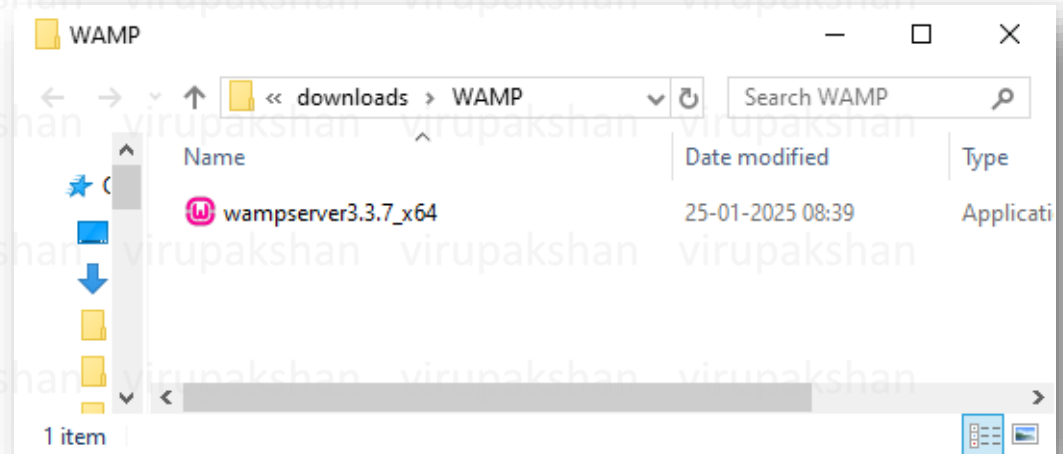
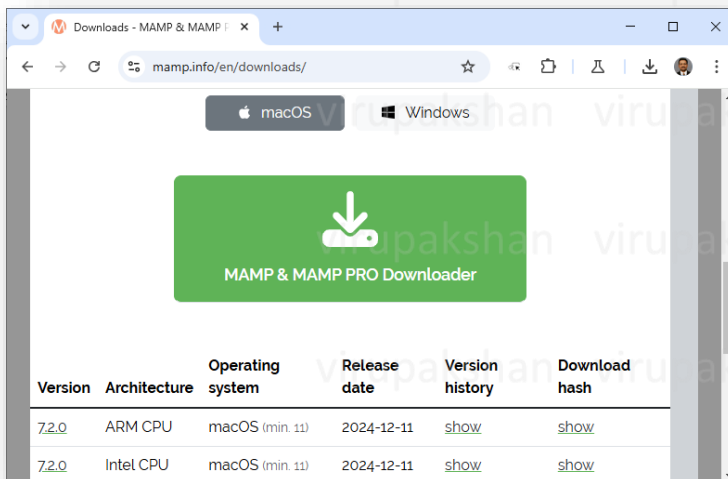
<https://www.wampserver.com/en/>



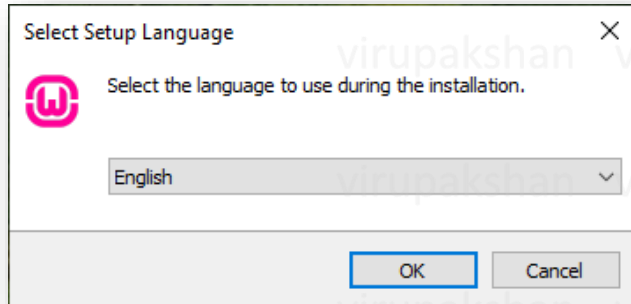
<https://sourceforge.net/projects/wampserver/files/latest/download>



<https://www.mamp.info/en/downloads/>



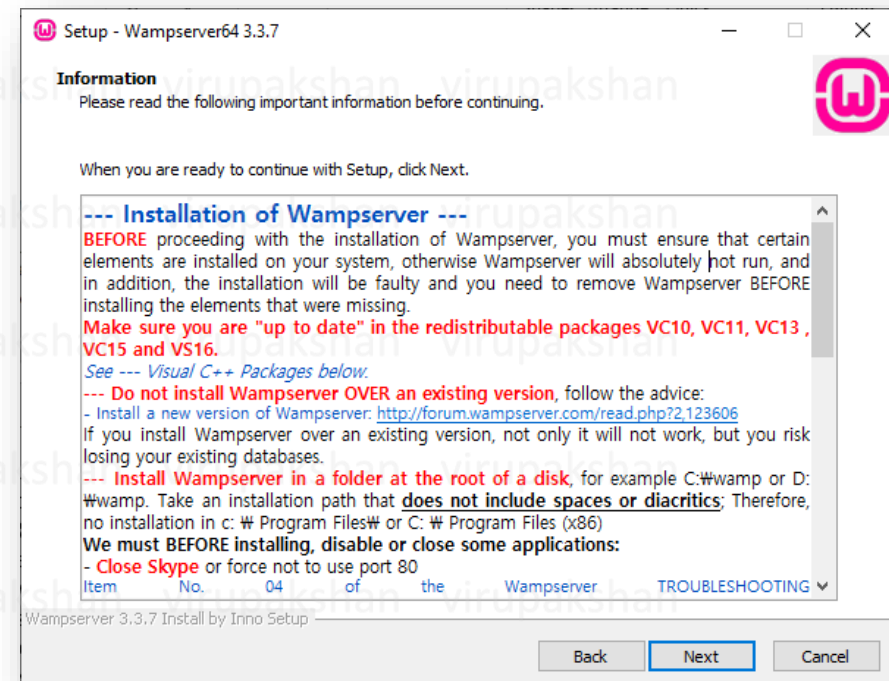
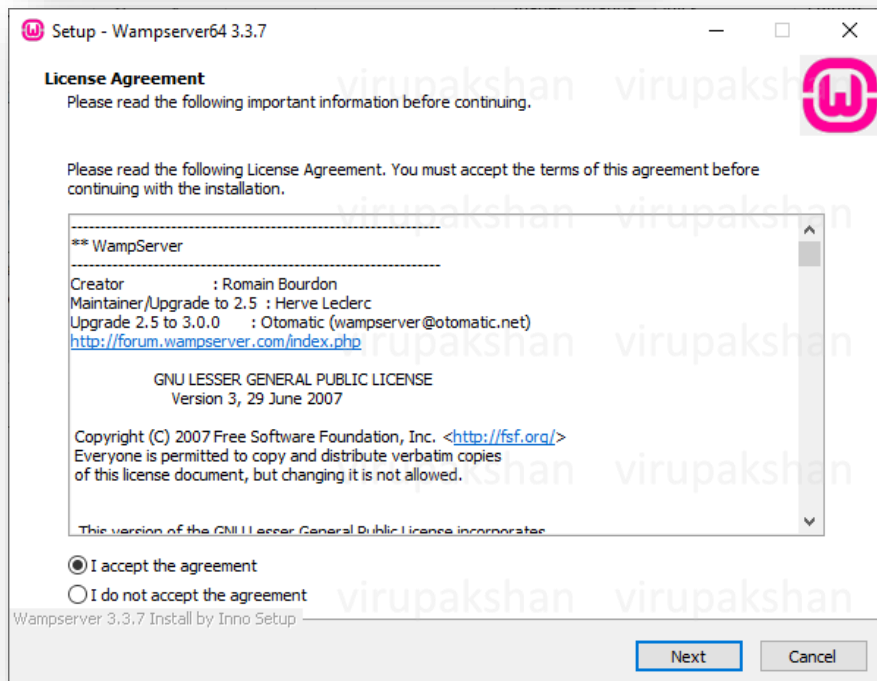
STEP 1: CLICK ON WAMPSERVER EXE



--- Installation of Wampserver ---

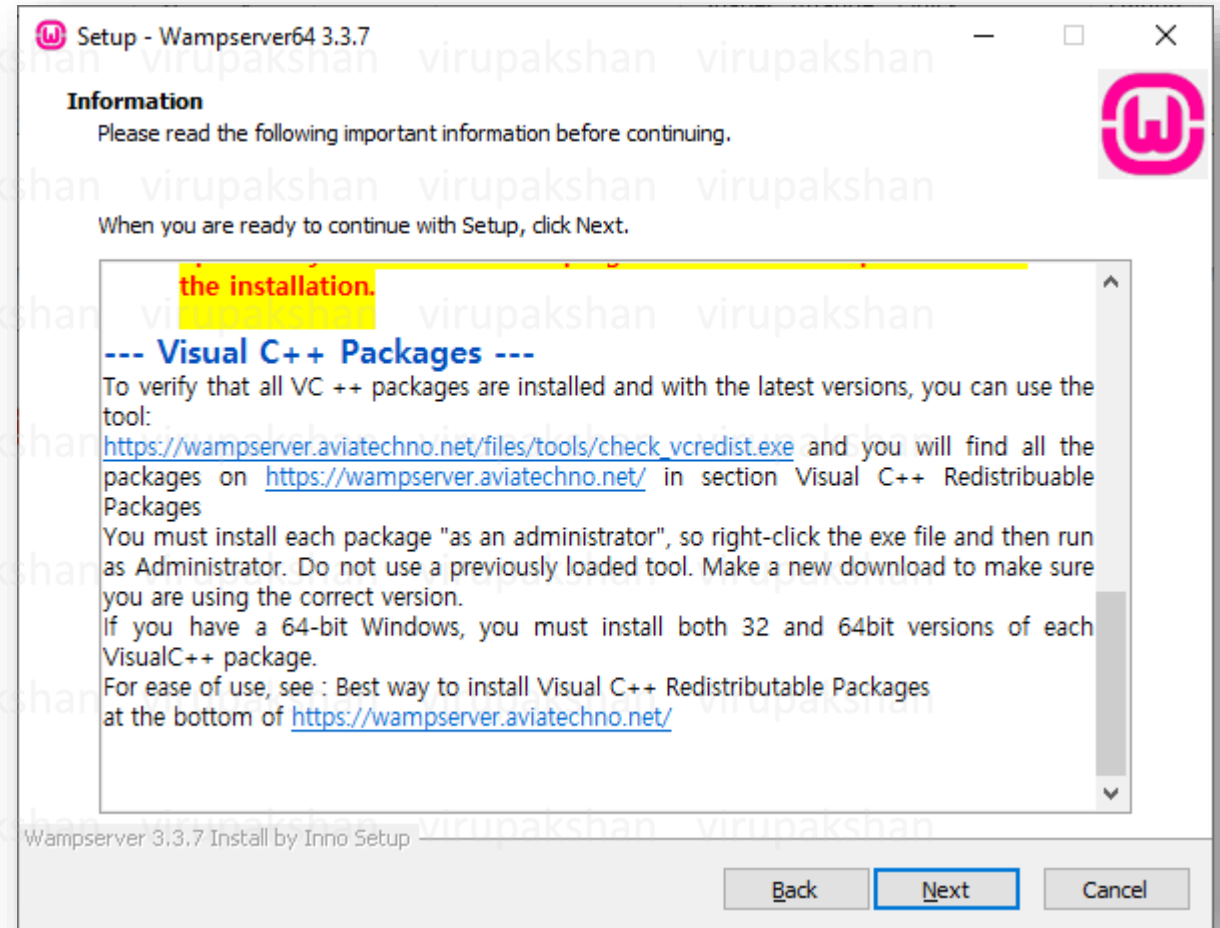
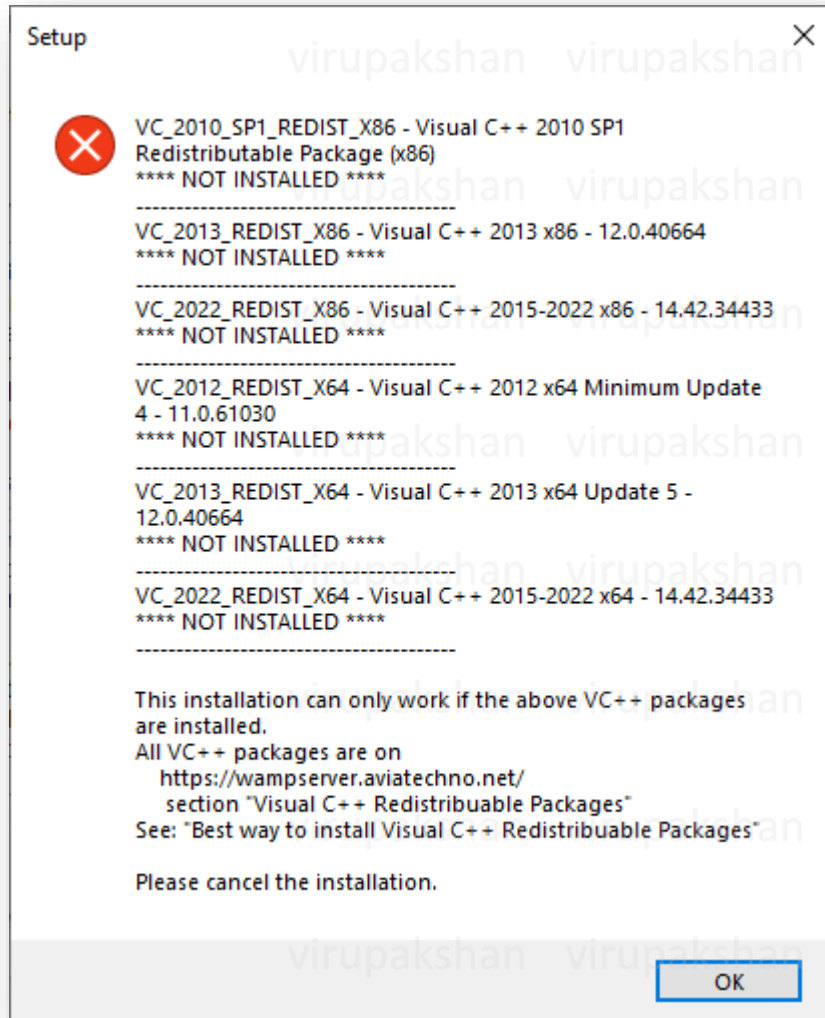
BEFORE proceeding with the installation of Wampserver, you must ensure that certain elements are installed on your system, otherwise Wampserver will absolutely not run, and in addition, the installation will be faulty and you need to remove Wampserver BEFORE installing the elements that were missing.

Make sure you are "up to date" in the redistributable packages VC10, VC11, VC13, VC15 and VS16.



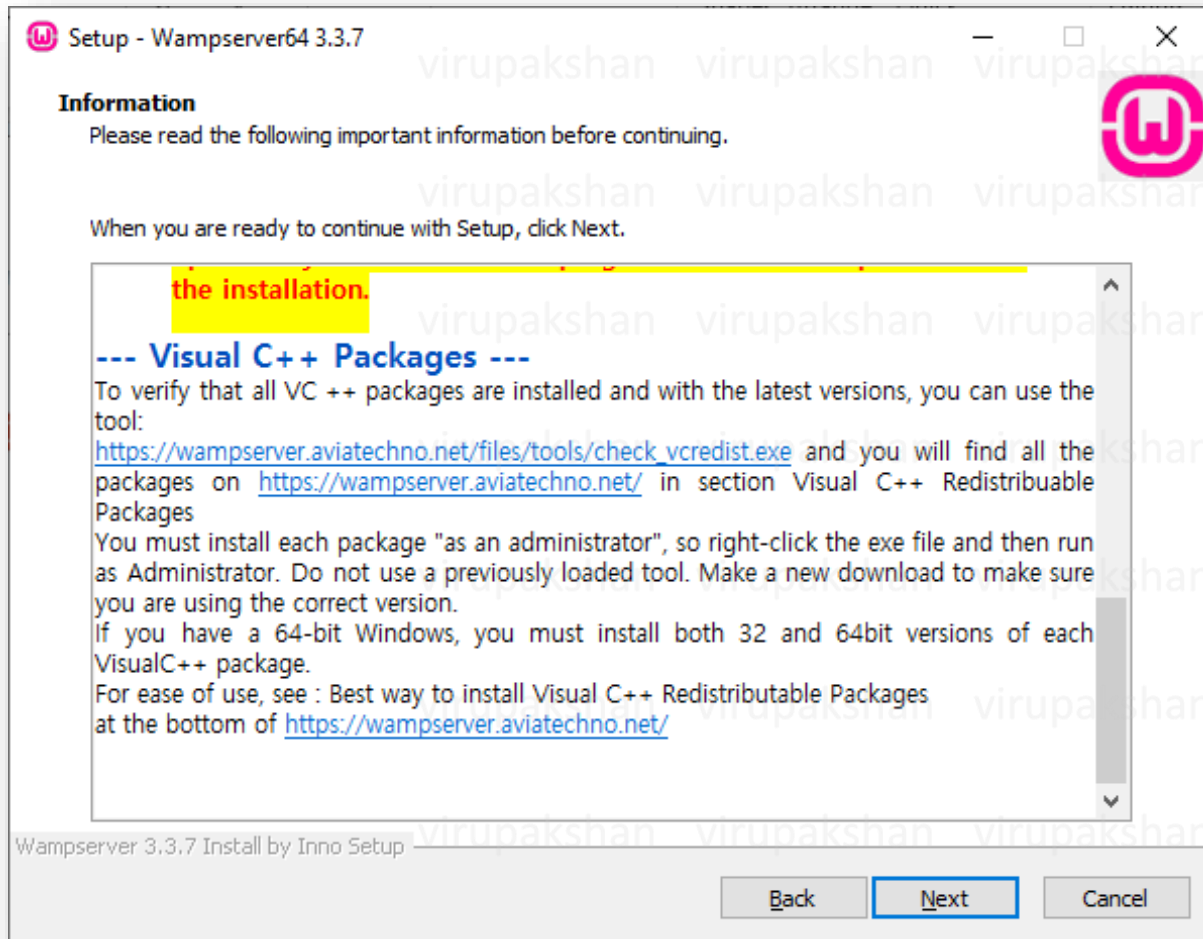
STEP 1: INSTALL Visual C++ Packages (if you get a warning)

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Wampserver 3.3.7 Install by Inno Setup

STEP 1: INSTALL Visual C++ Packages (if you get a warning)



<https://wampserver.aviatechno.net/>

--- Visual C++ Packages ---

To verify that all VC ++ packages are installed and with the latest versions, you can use the tool:

https://wampserver.aviatechno.net/files/tools/check_vcrist.exe

and you will find all the packages on <https://wampserver.aviatechno.net/> in section Visual C++ Redistributable Packages

You must install each package "as an administrator", so right-click the exe file and then run as Administrator. Do not use a previously loaded tool. Make a new download to make sure you are using the correct version.

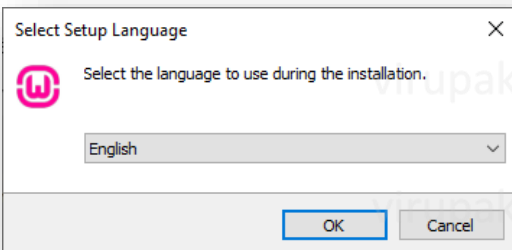
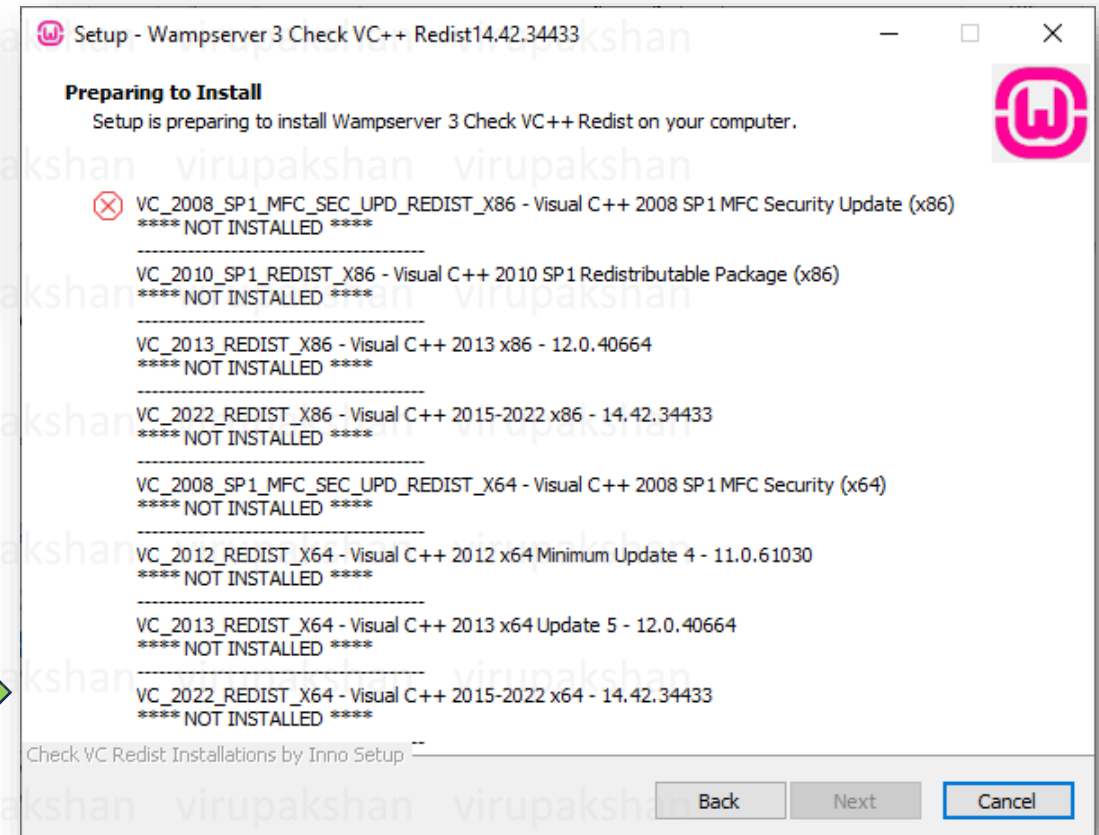
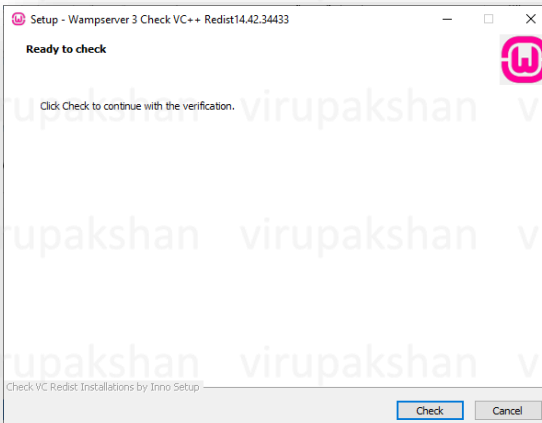
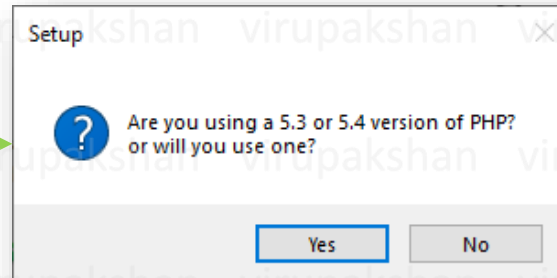
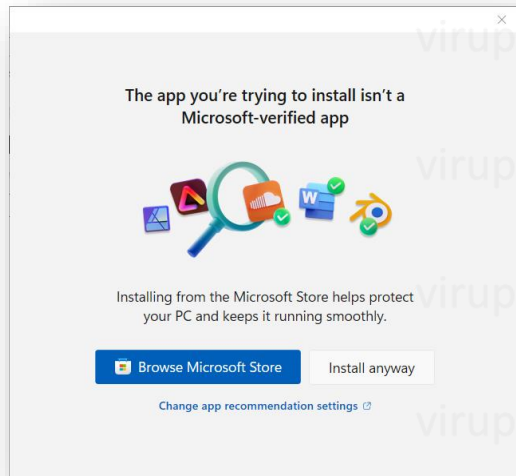
If you have a 64-bit Windows, you must install both 32 and 64bit versions of each VisualC++ package.

For ease of use, see : Best way to install Visual C++ Redistributable Packages at the bottom of <https://wampserver.aviatechno.net/>

STEP 1: Not sure which Visual C++ Packages ? Try this:

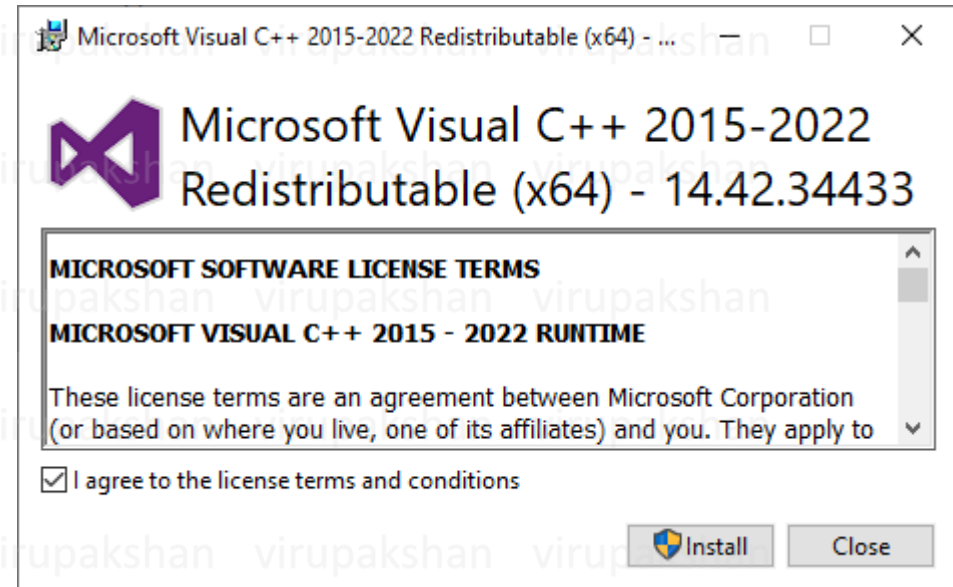
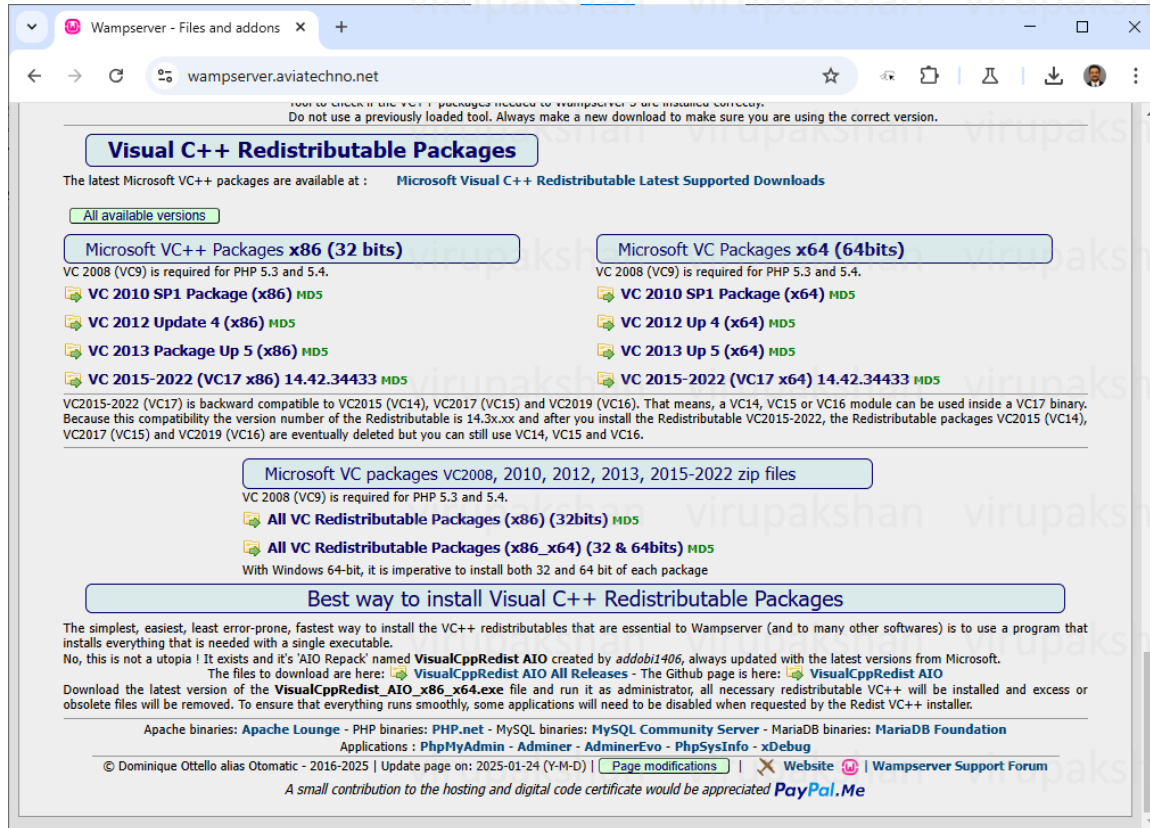
VirupakshanK@gmail.com

https://wampserver.aviatechno.net/files/tools/check_vcrist.exe



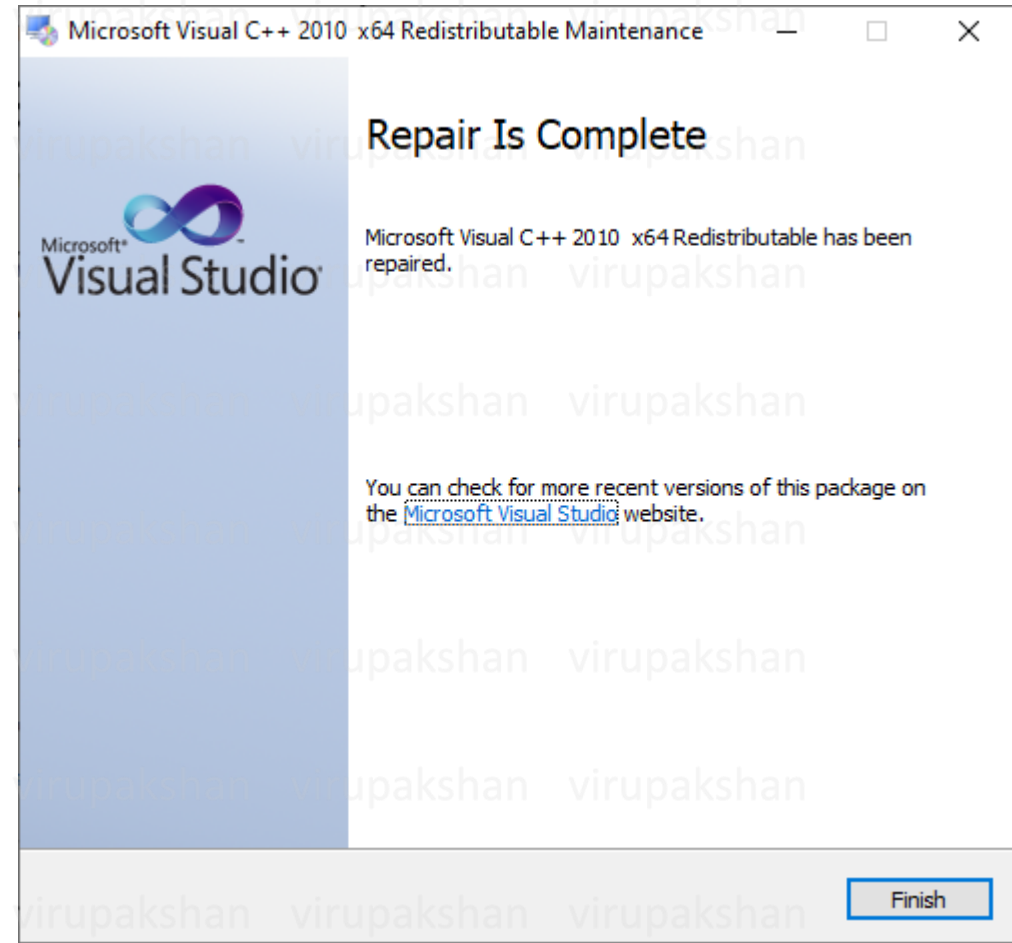
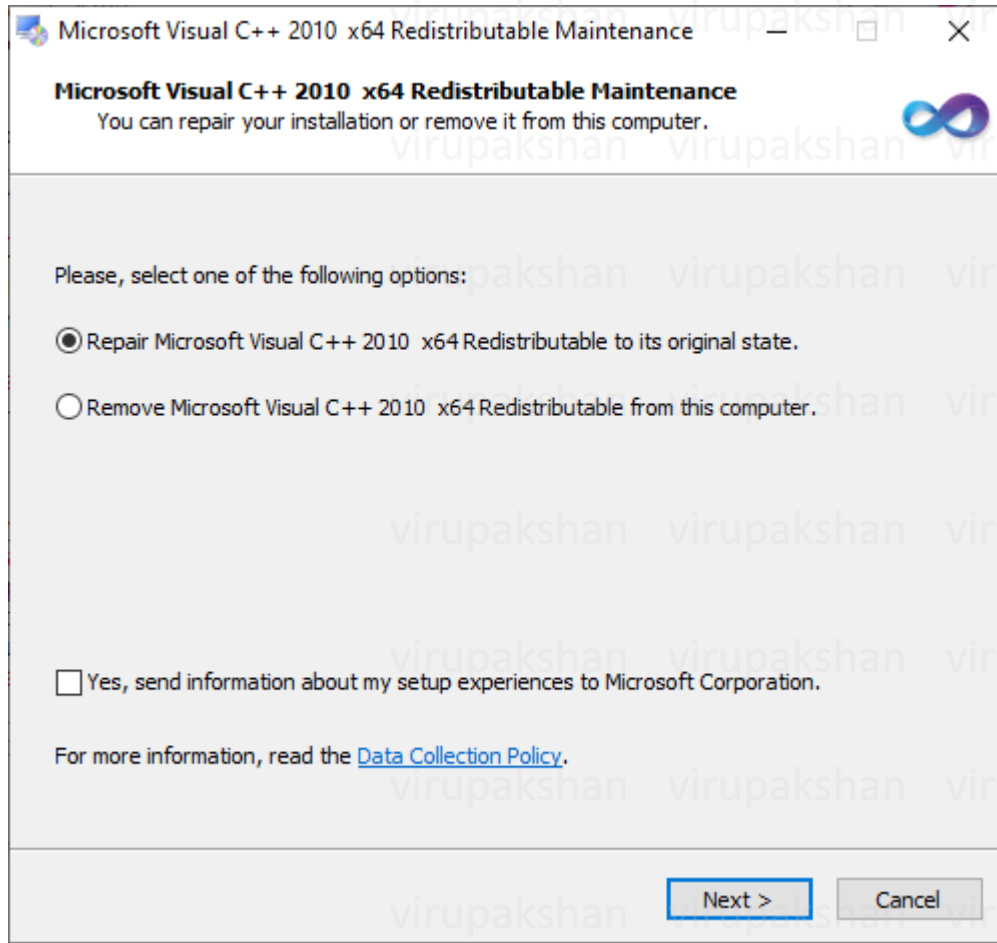
STEP 1: INSTALL Visual C++ Packages (if you get a warning)

<https://wampserver.aviatechno.net/>

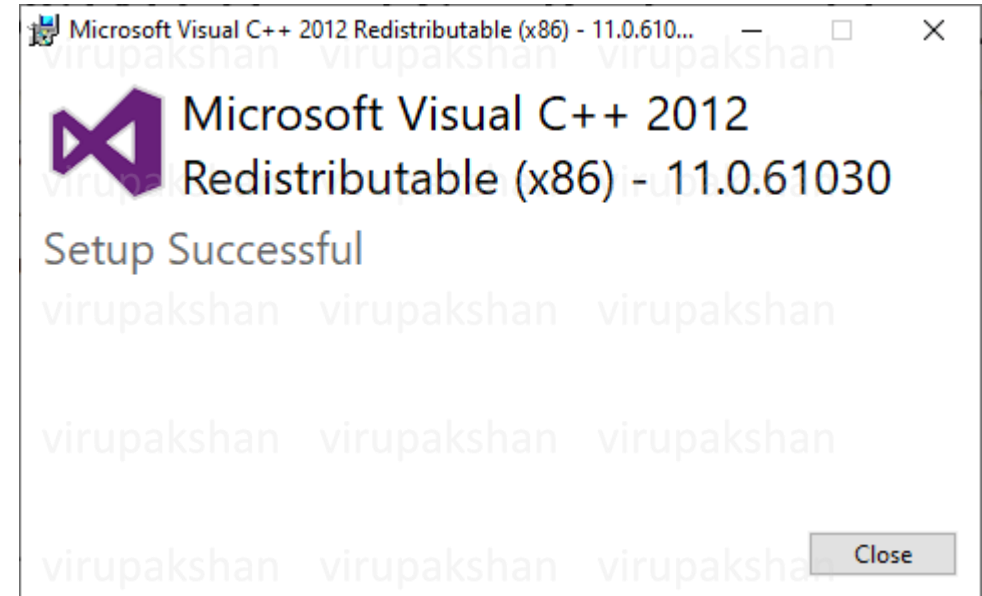
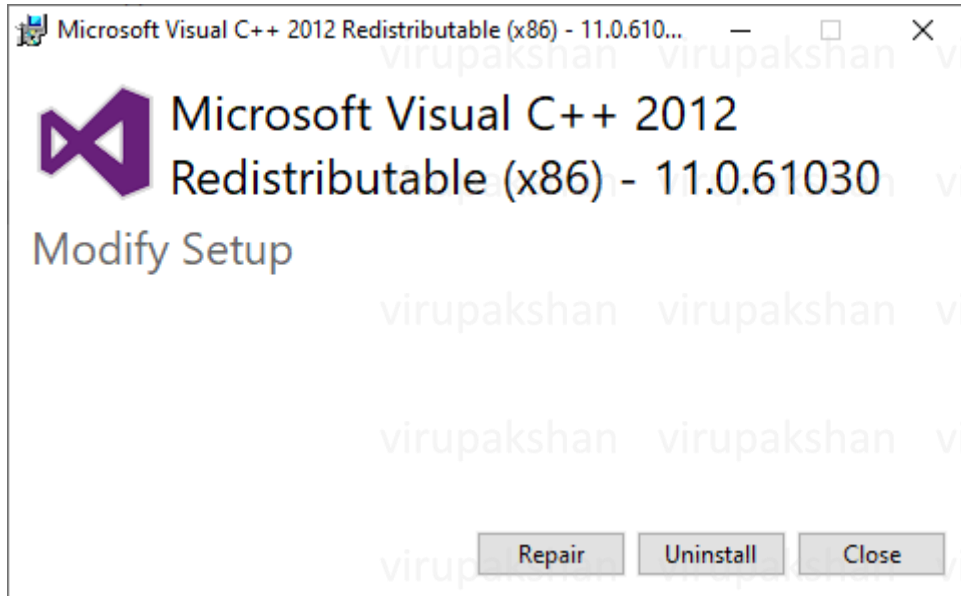


https://wampserver.aviatechno.net/files/vcpackages/all_vc_redist_x86_x64.zip

STEP 1: INSTALL Visual C++ Packages (if you get a warning)

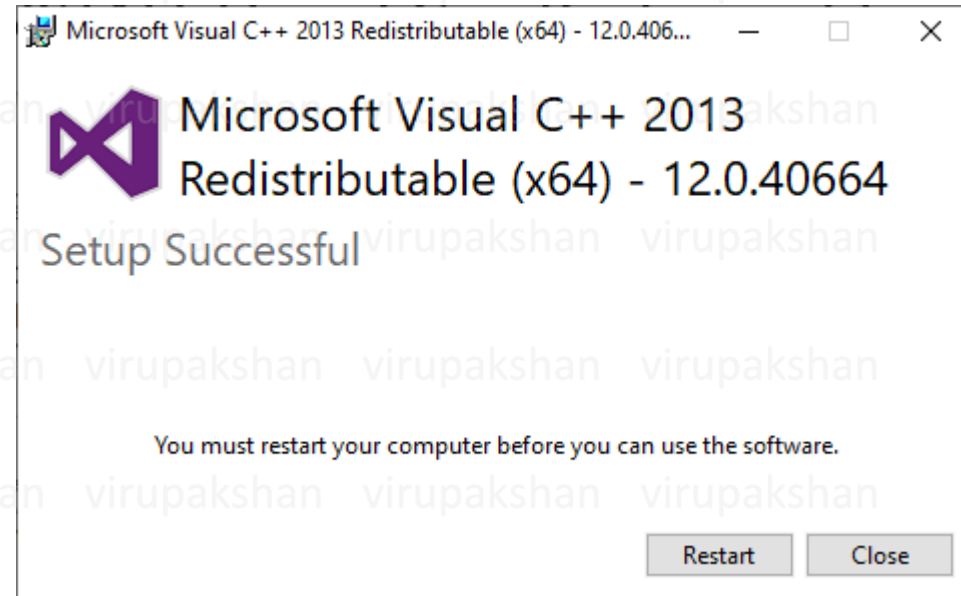
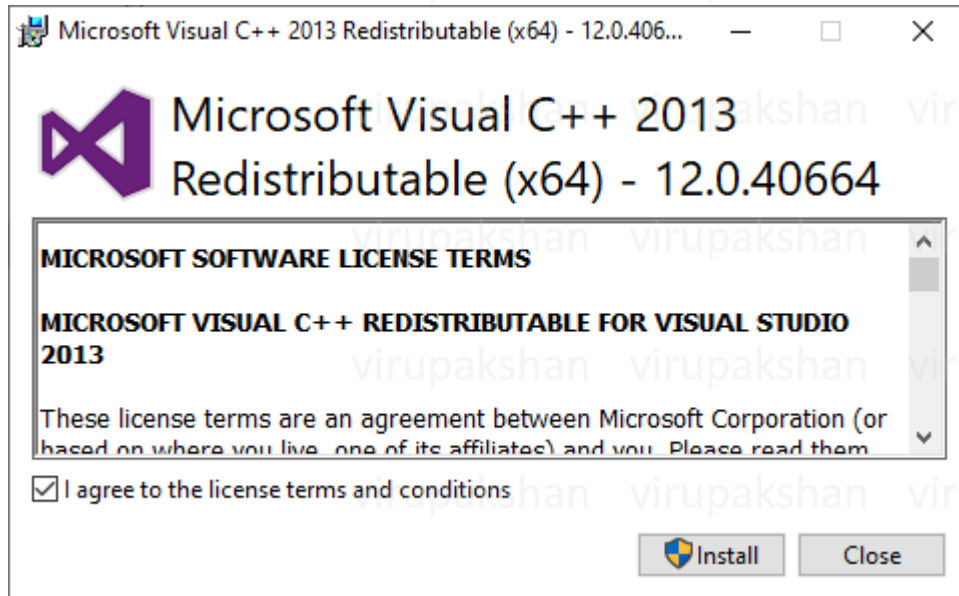


STEP 1: INSTALL Visual C++ Packages (if you get a warning)

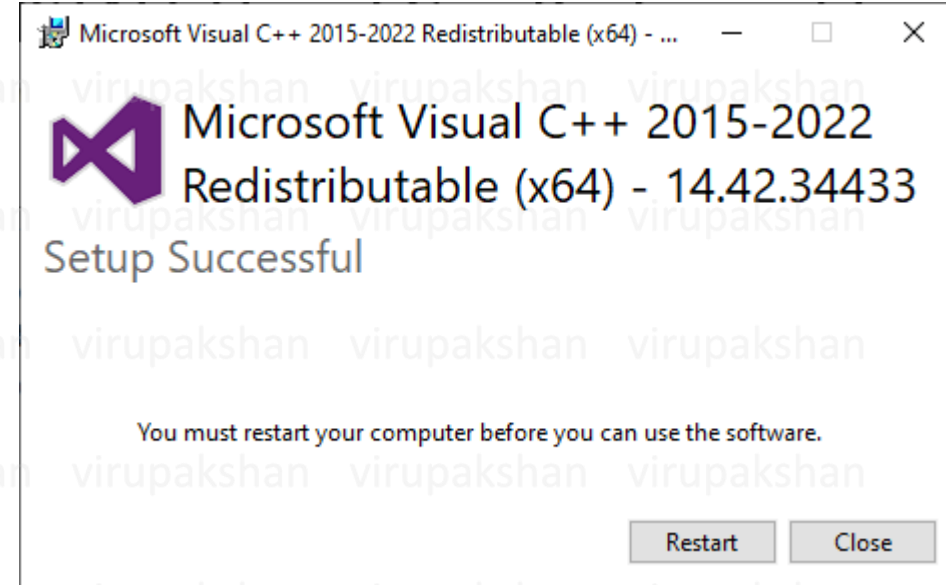
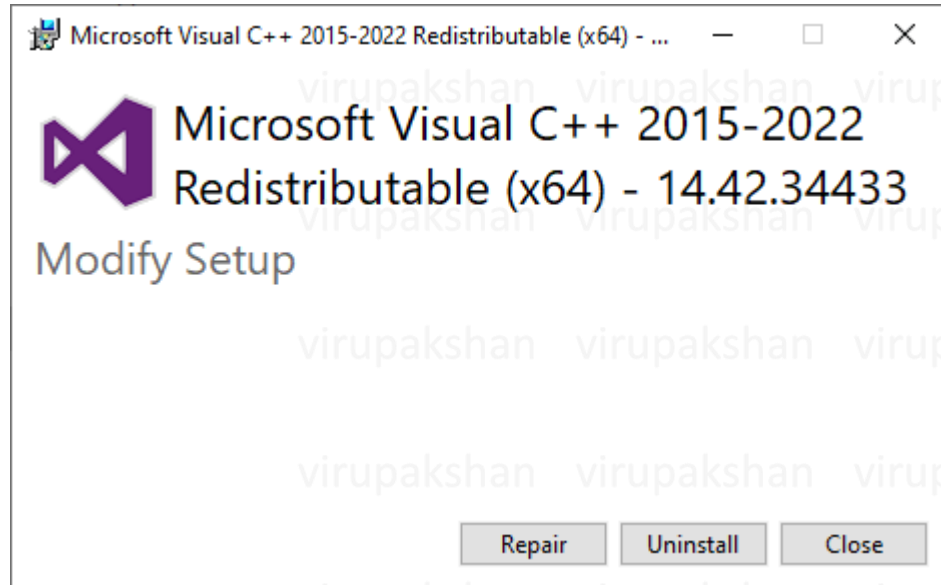


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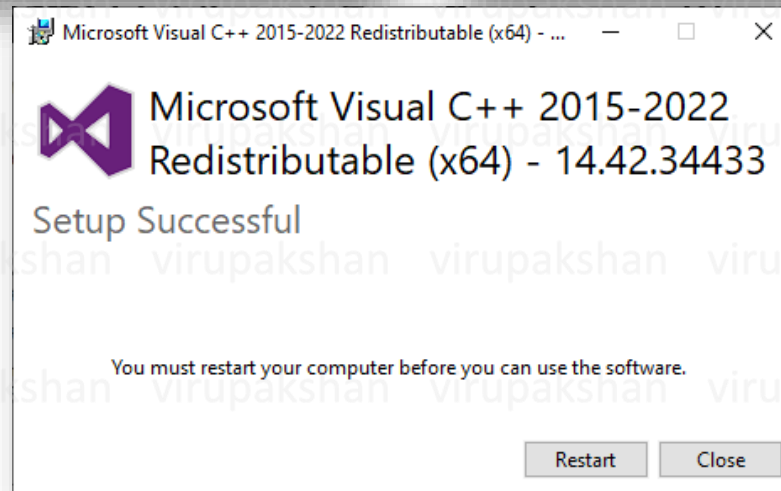
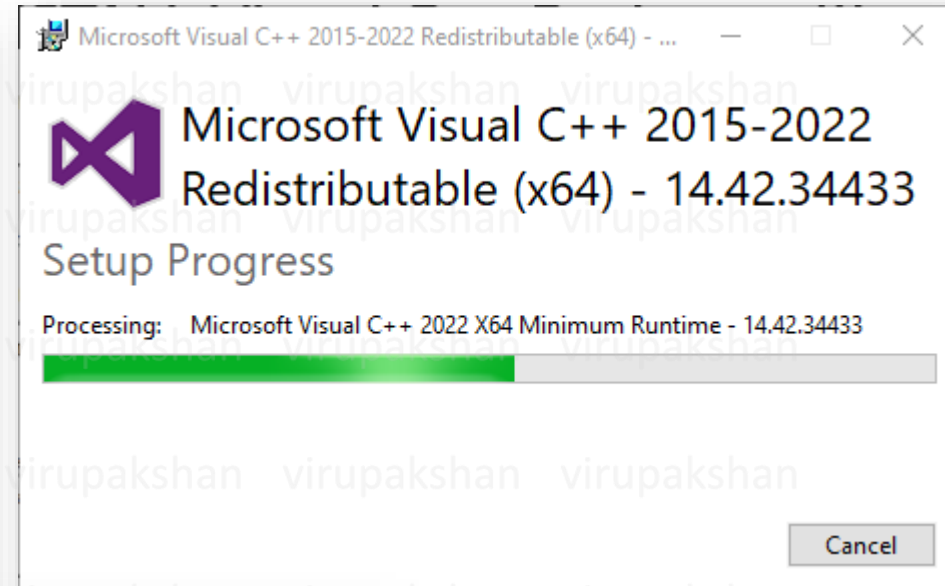
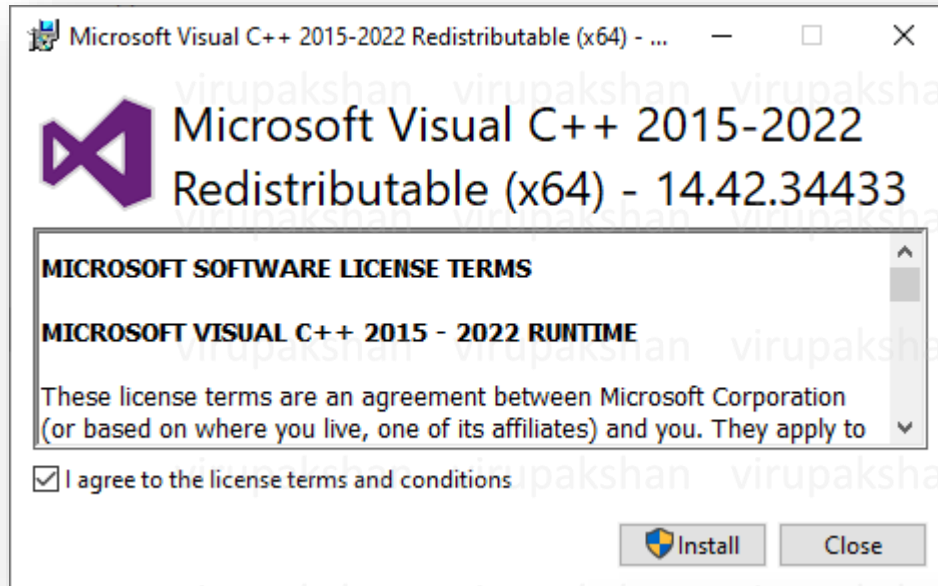
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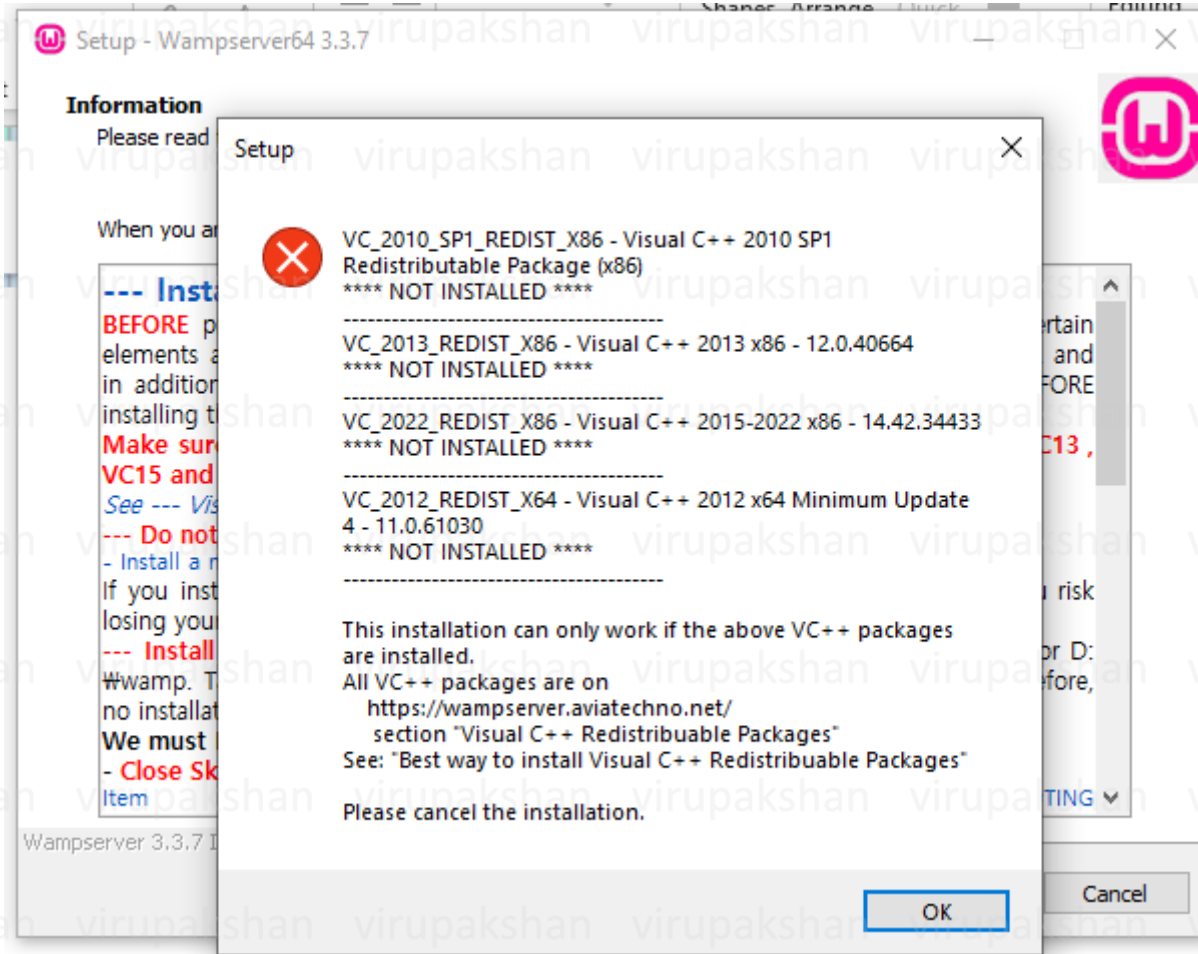
STEP 1: INSTALL Visual C++ Packages (if you get a warning)



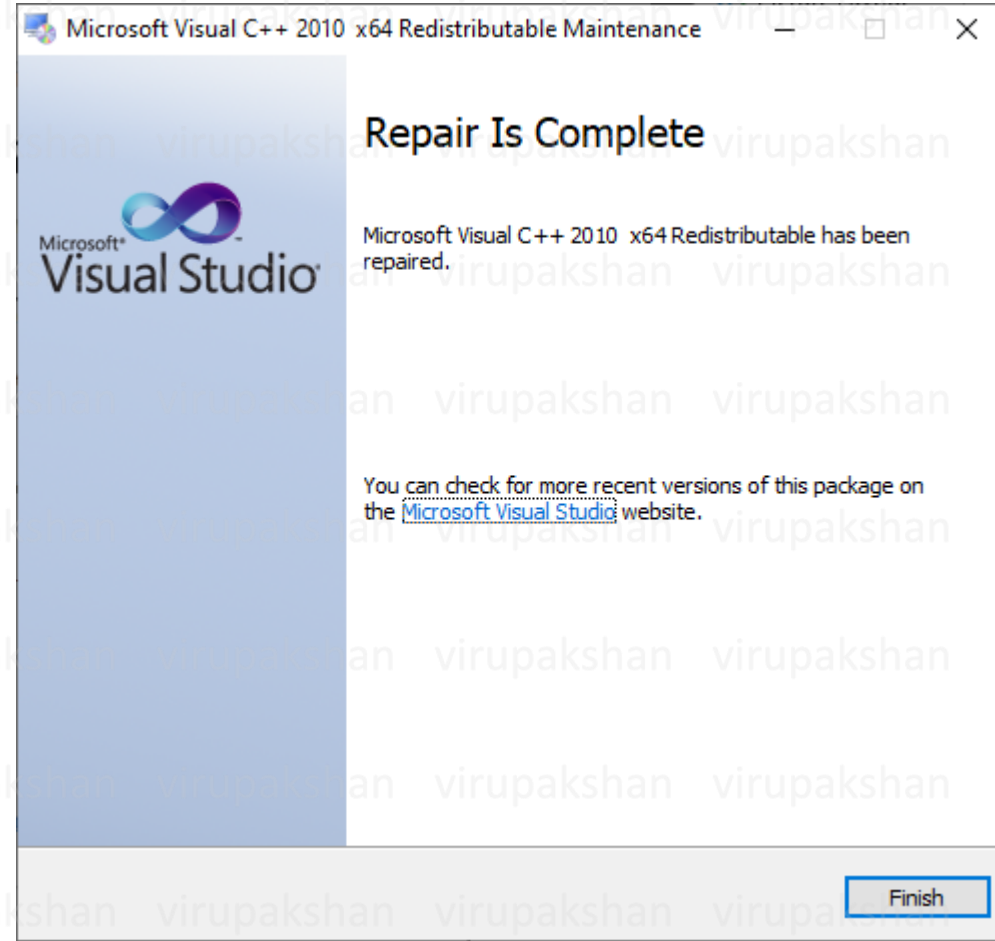
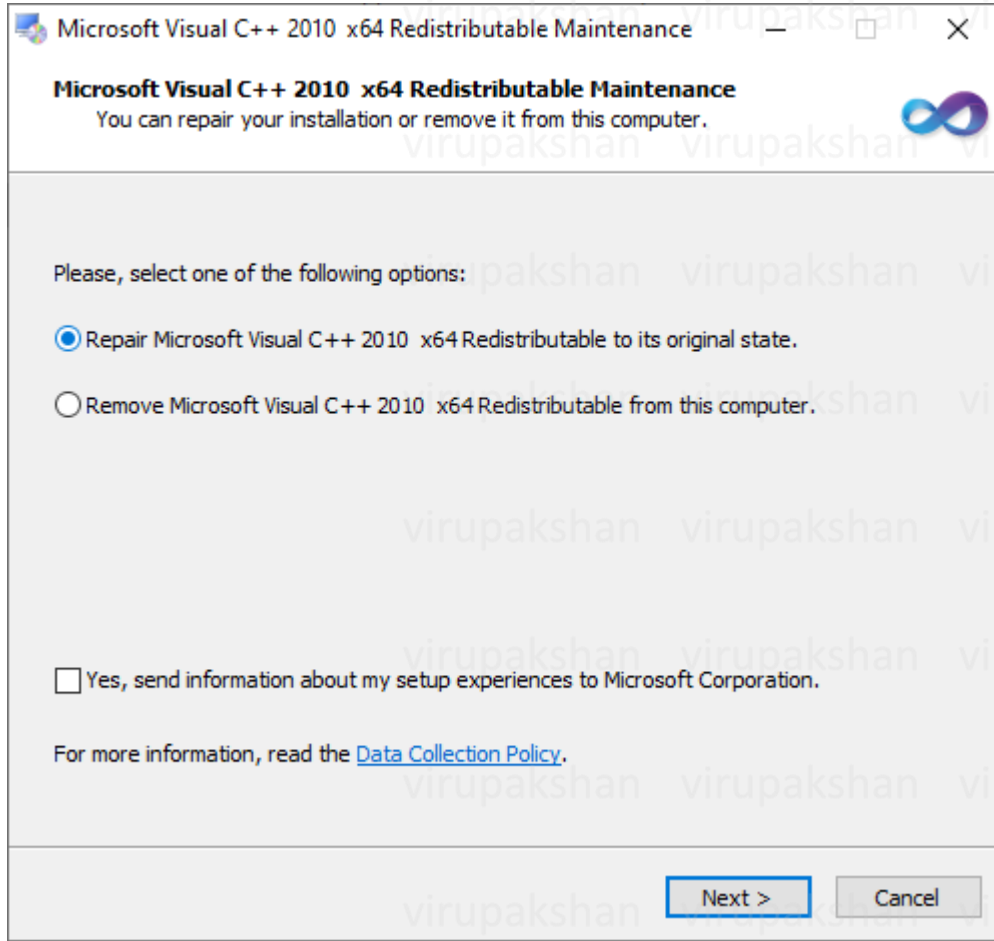
STEP 1: INSTALL Visual C++ Packages (if you get a warning)



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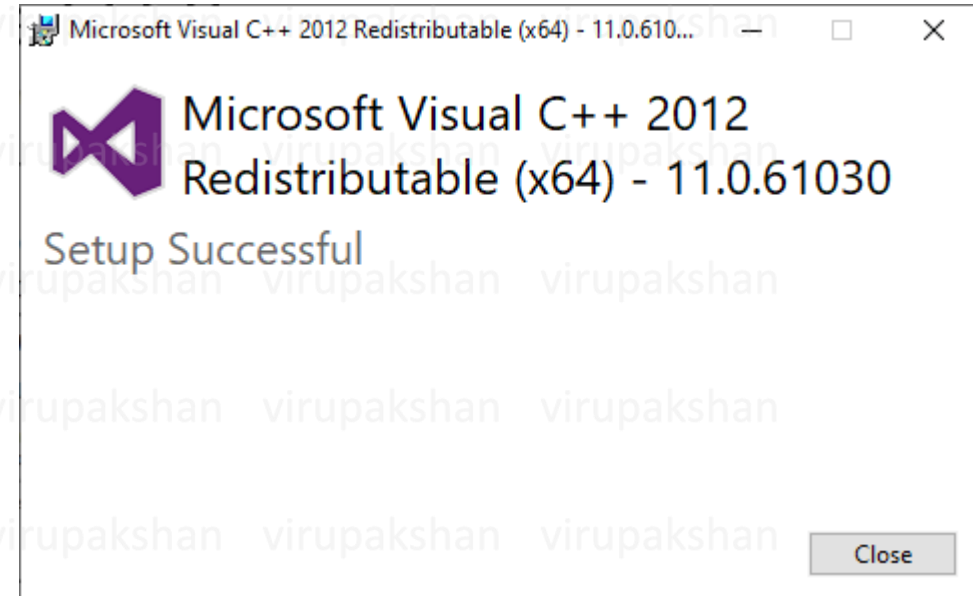
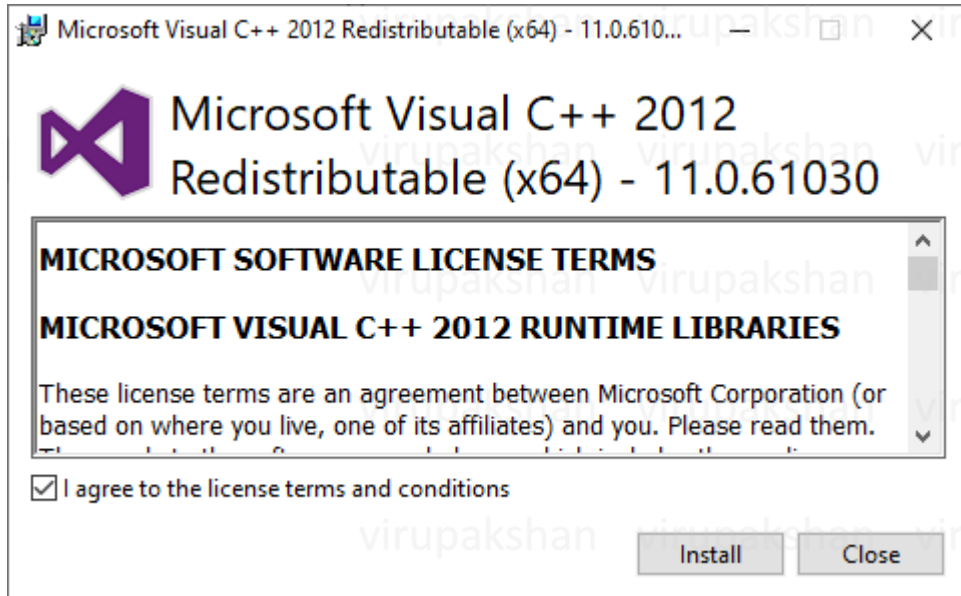


STEP 1: INSTALL Visual C++ Packages (if you get a warning)

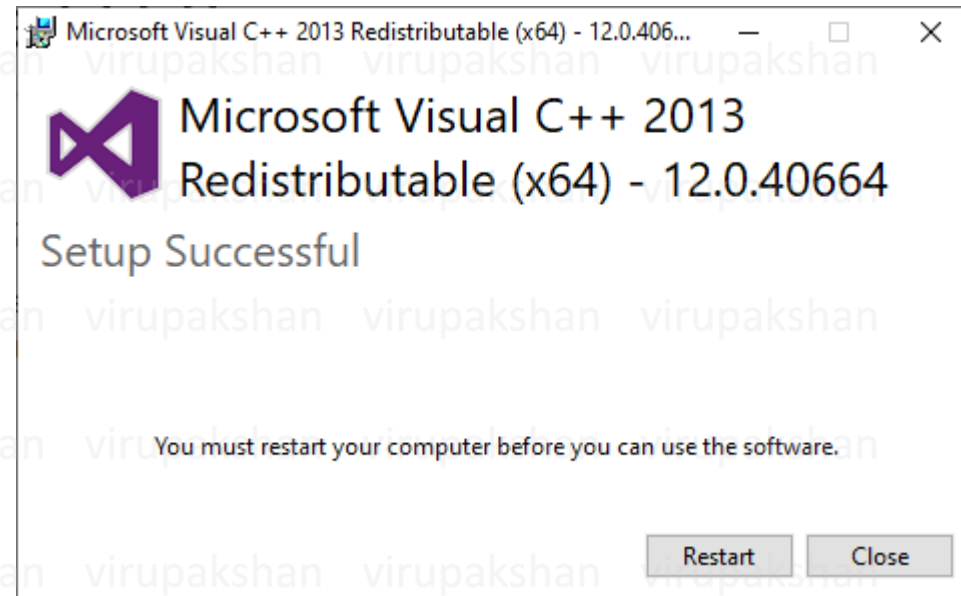
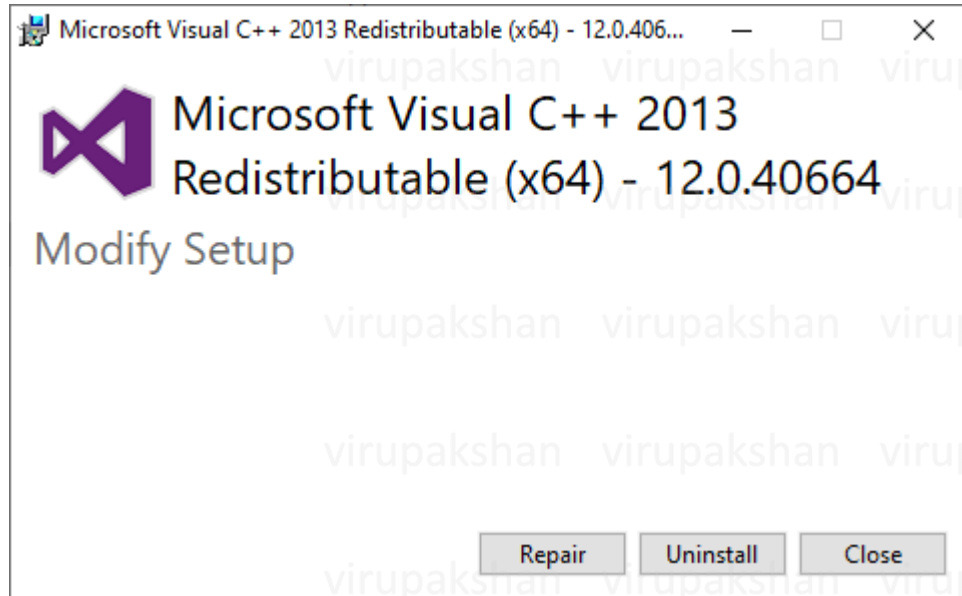


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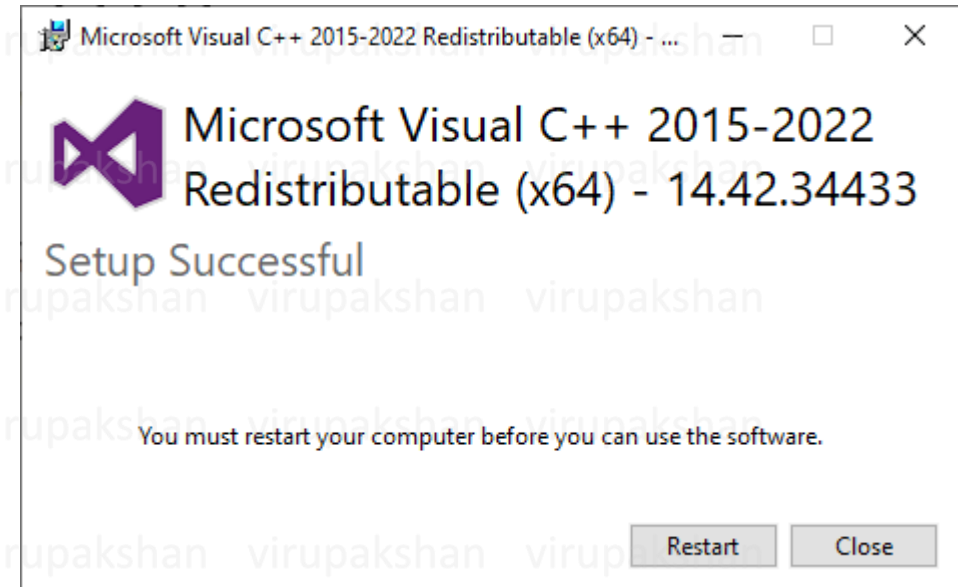
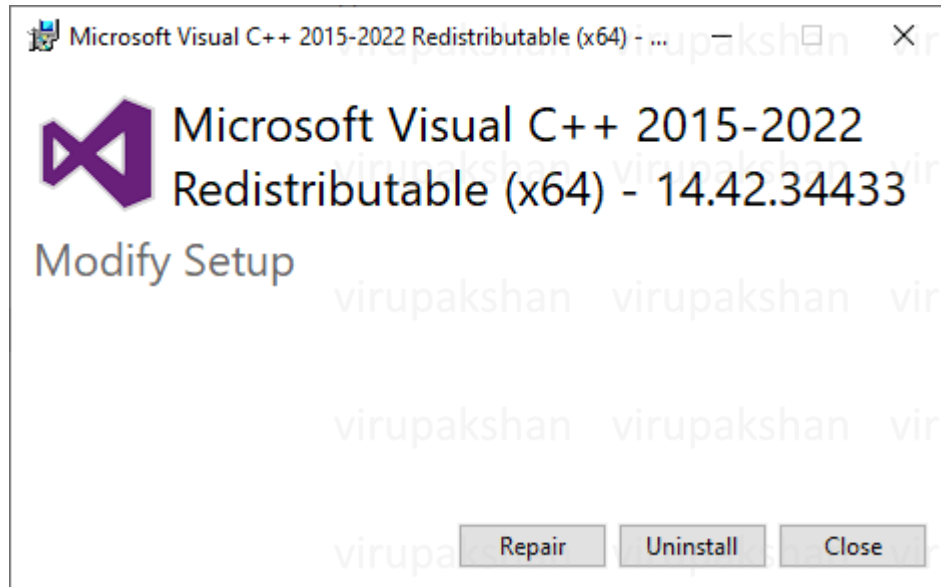
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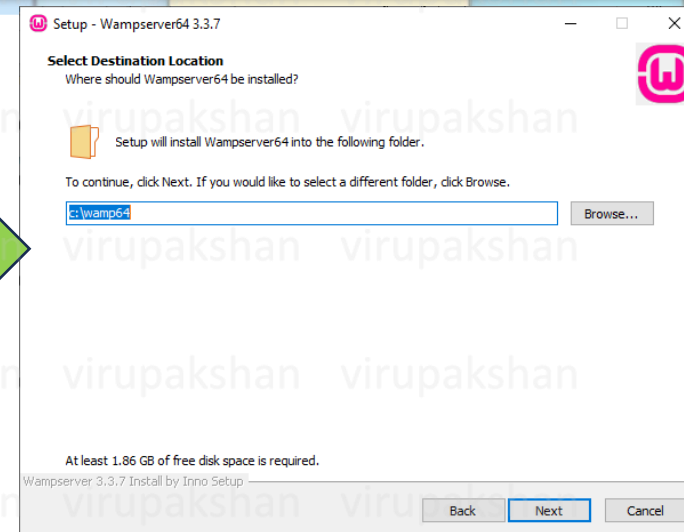
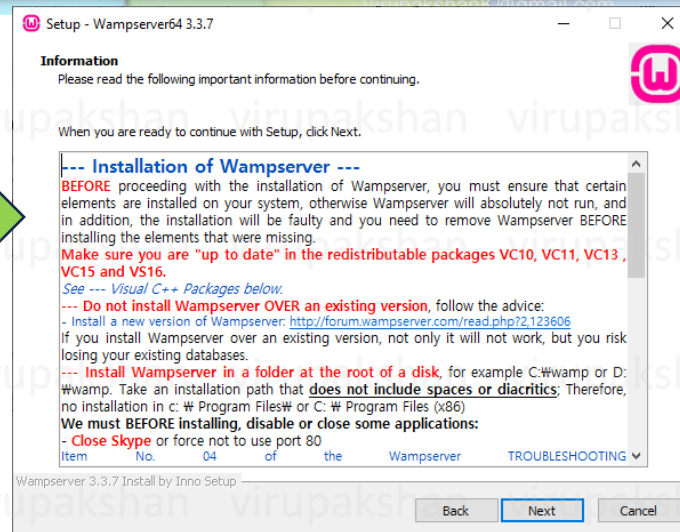
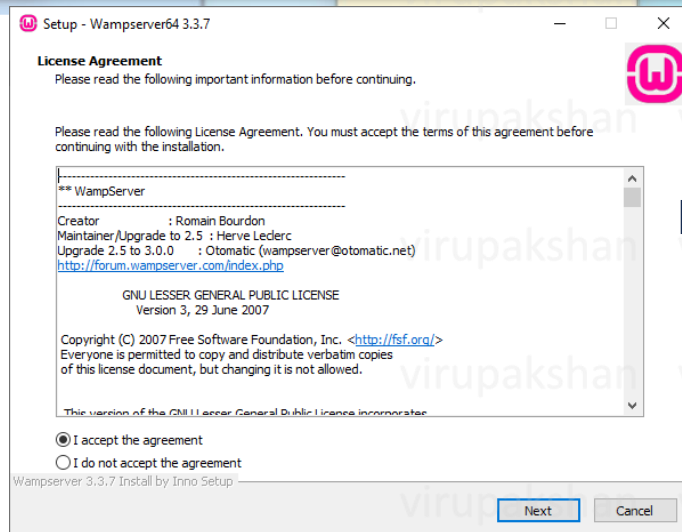
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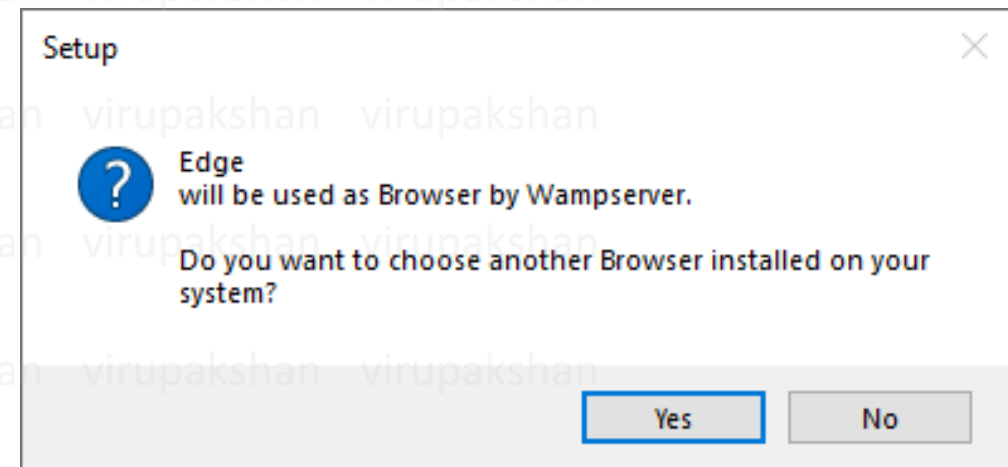
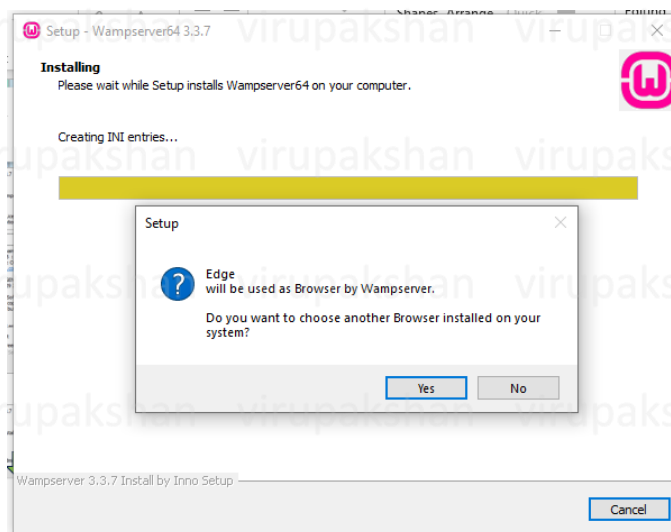
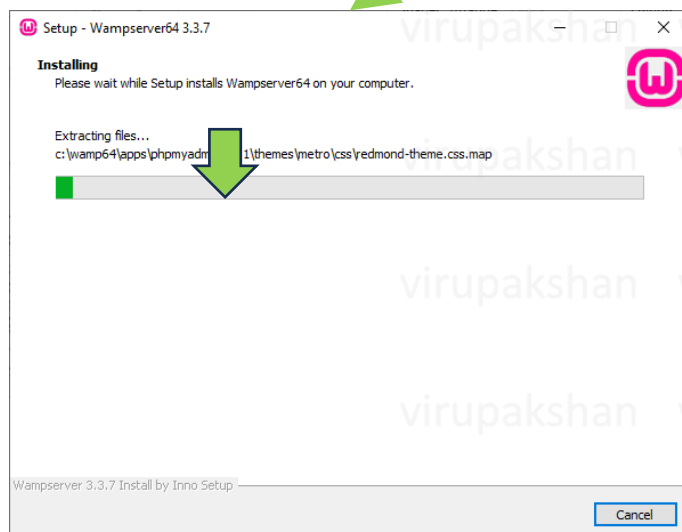
STEP 1: INSTALL Visual C++ Packages (if you get a warning)



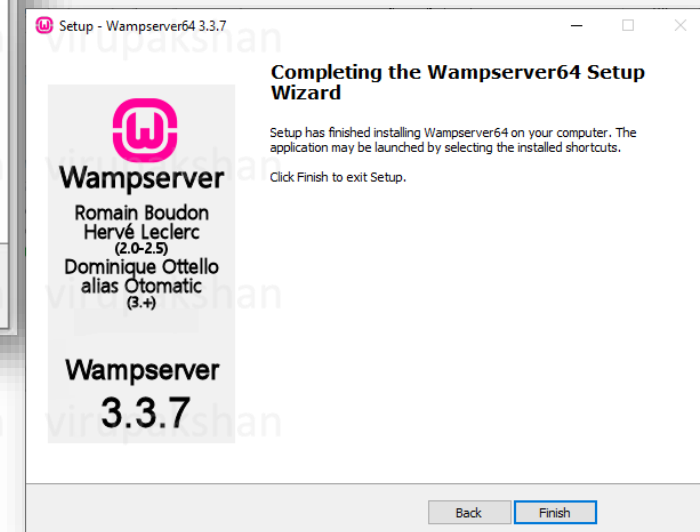
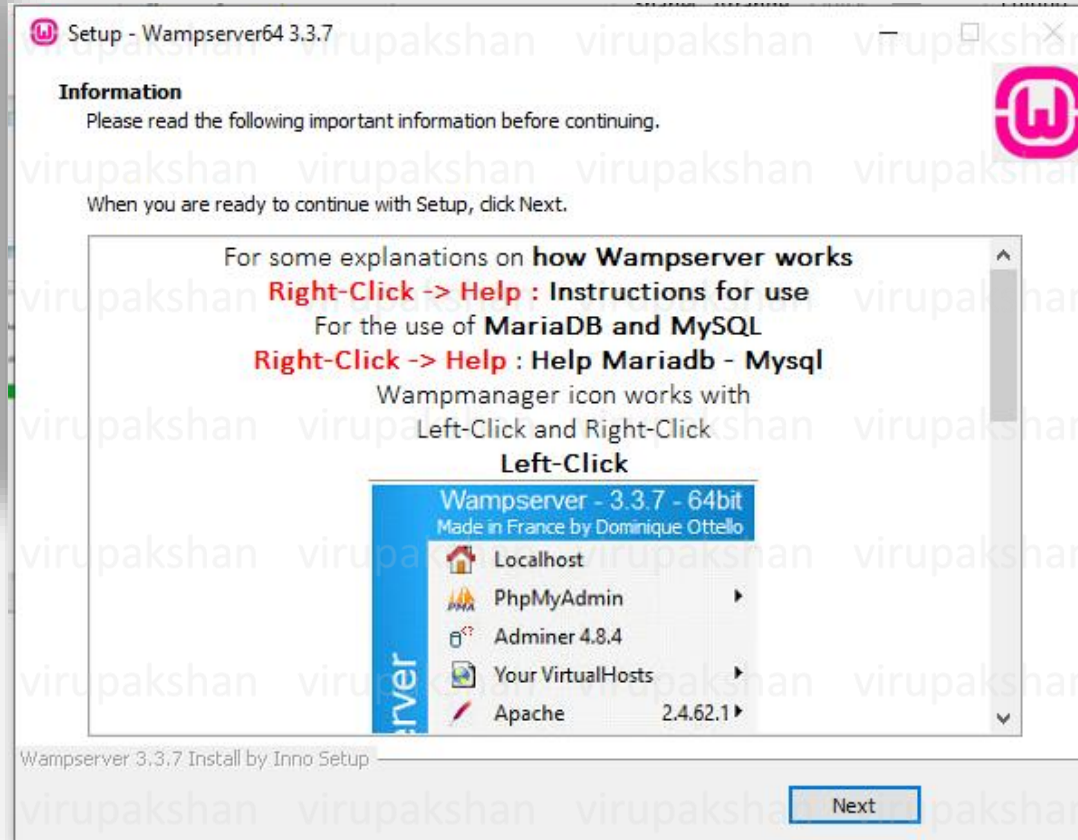
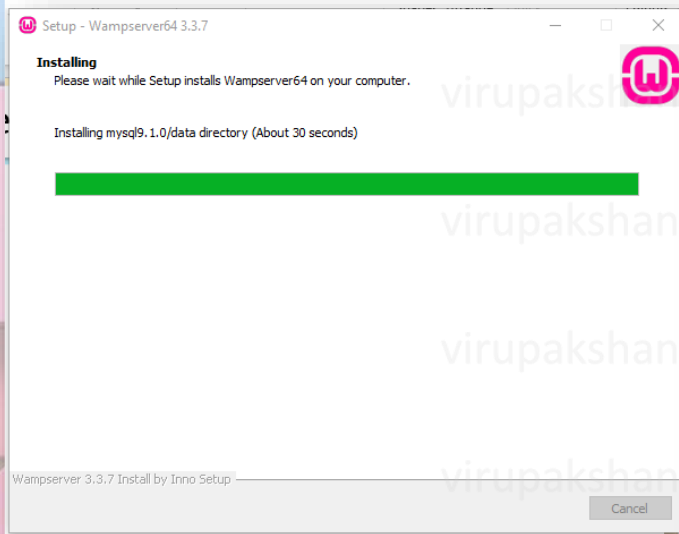
Now Install WAMP



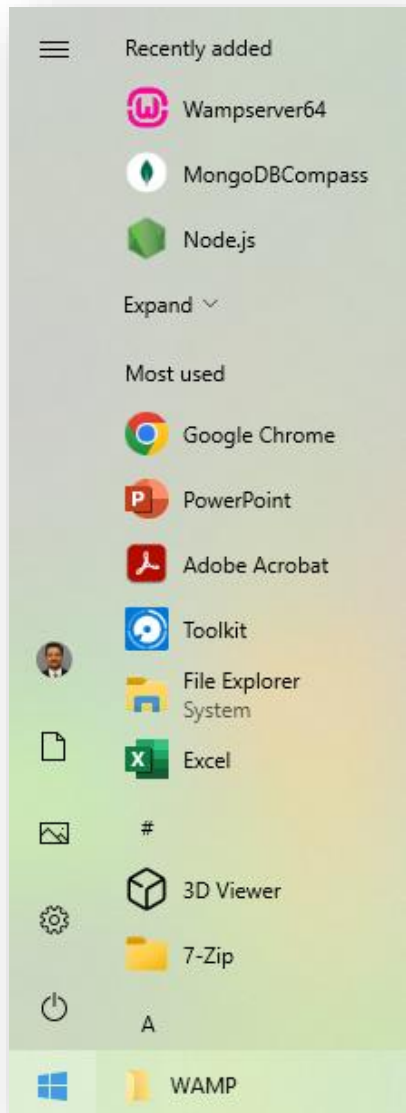
c:\wamp64



Now Install WAMP (cont)

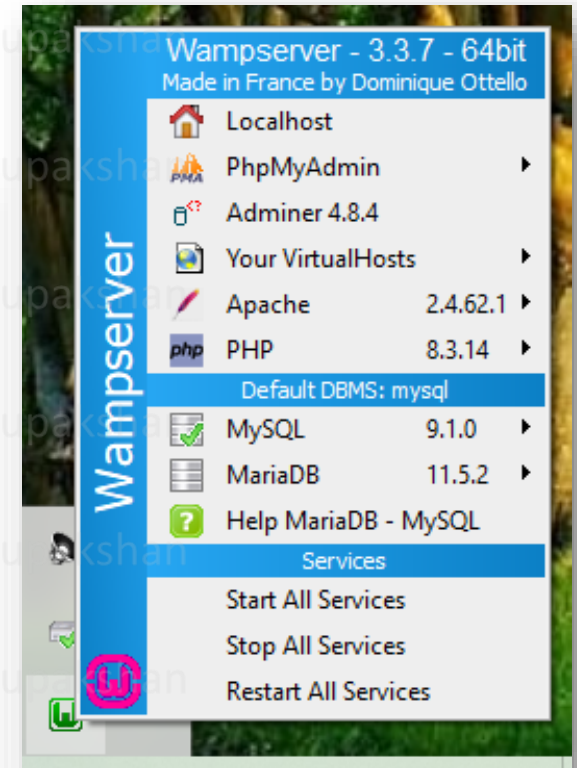
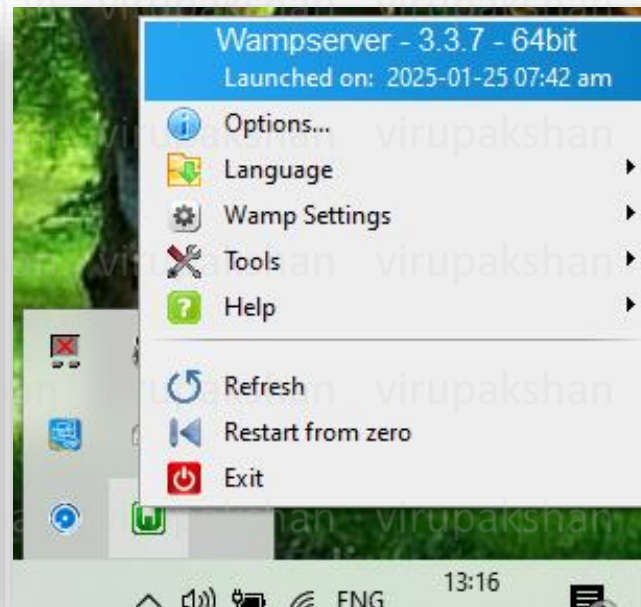
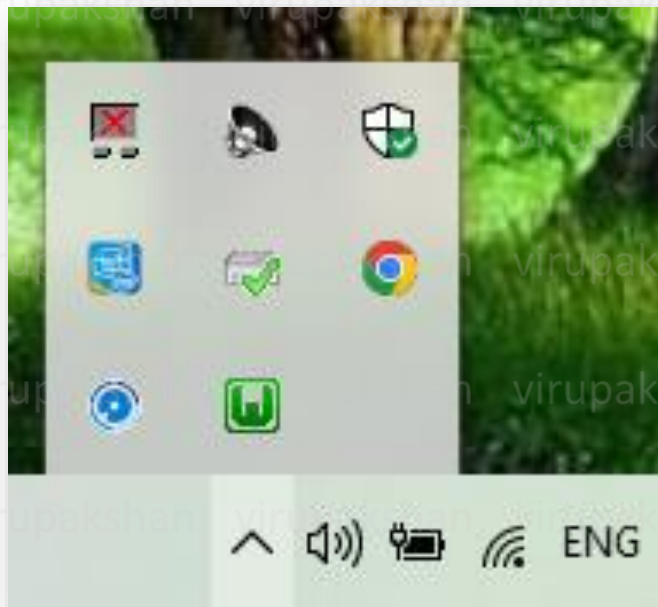


Open WAMP from your “Windows Start”

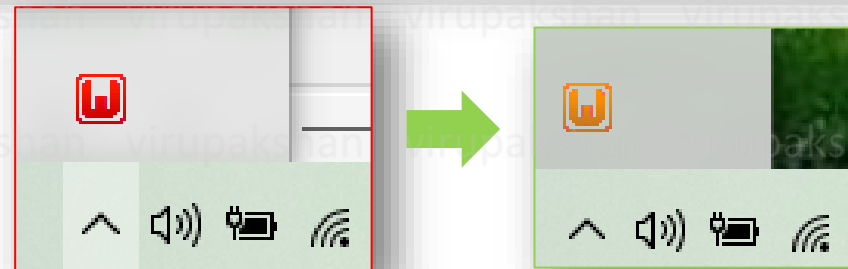
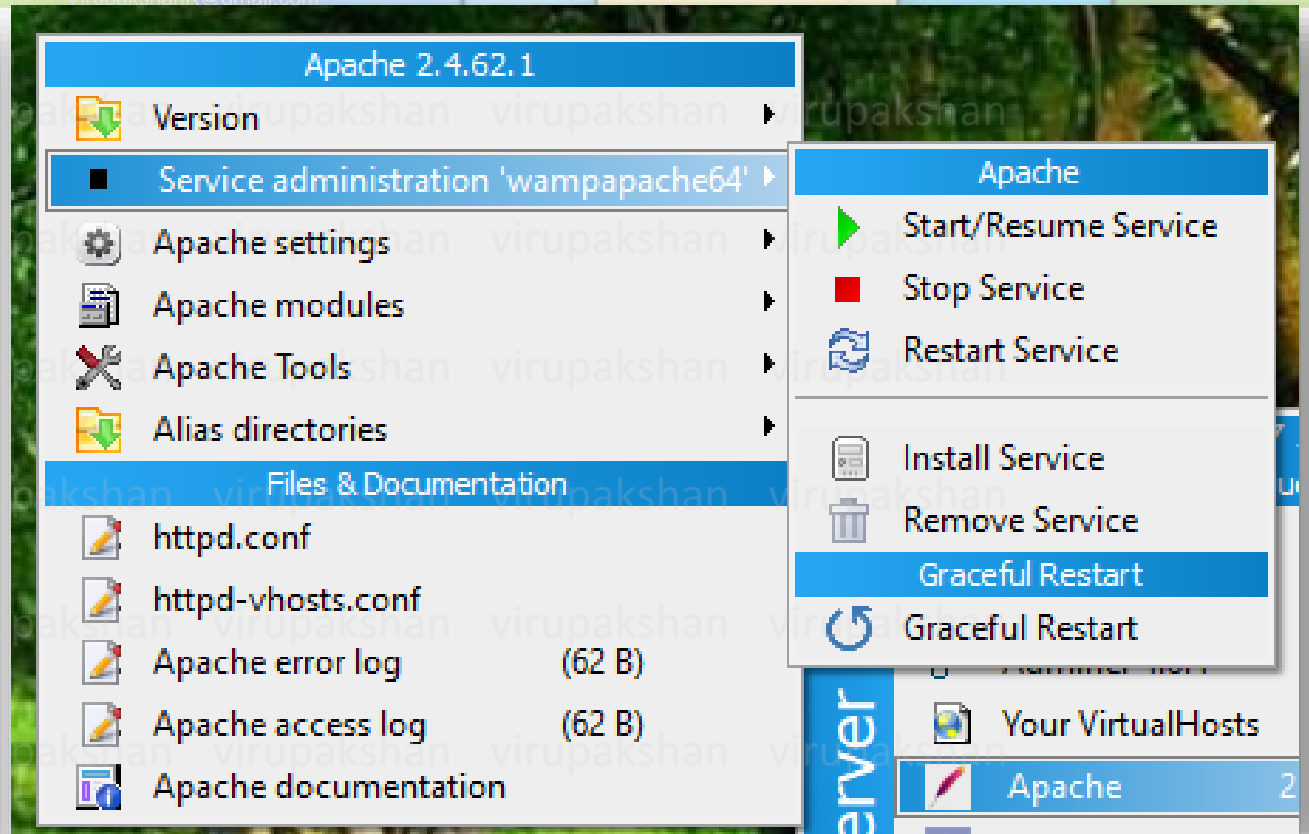
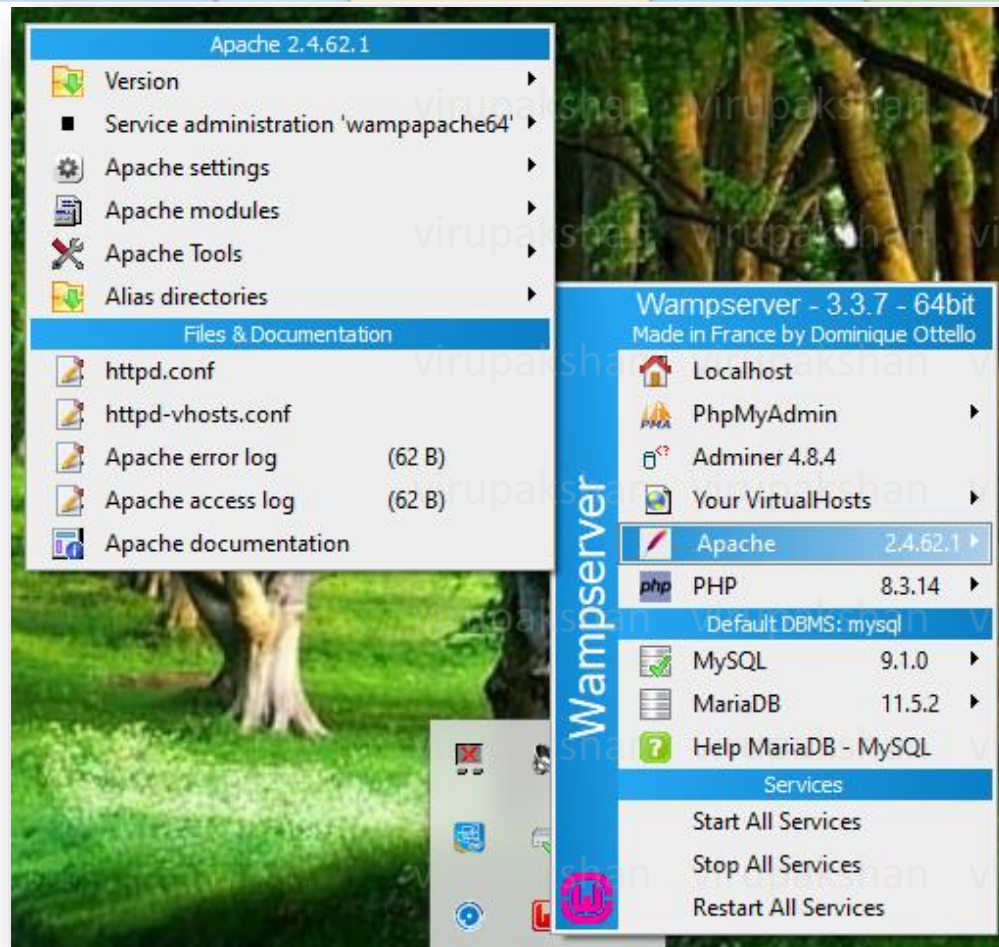


Left Click on W icon

Right Click on W icon

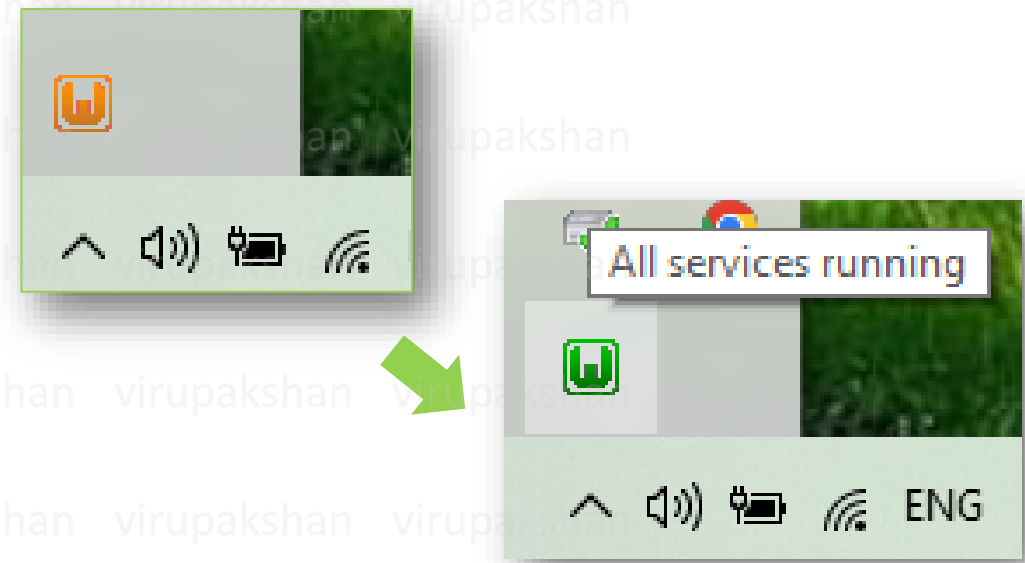
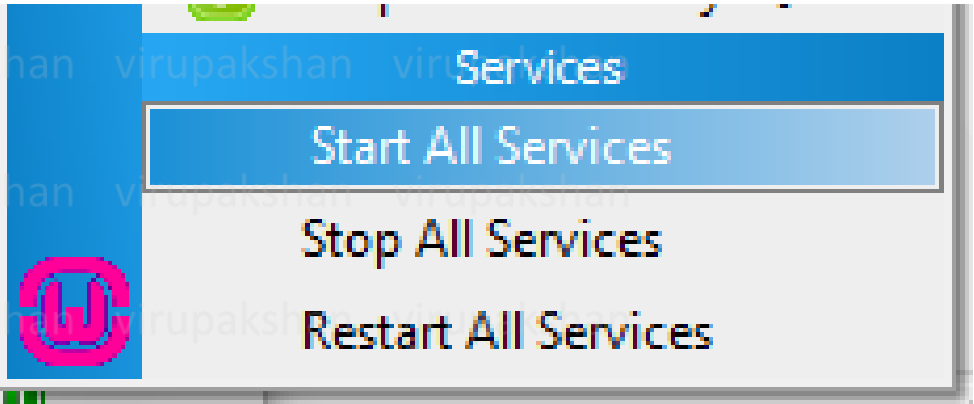
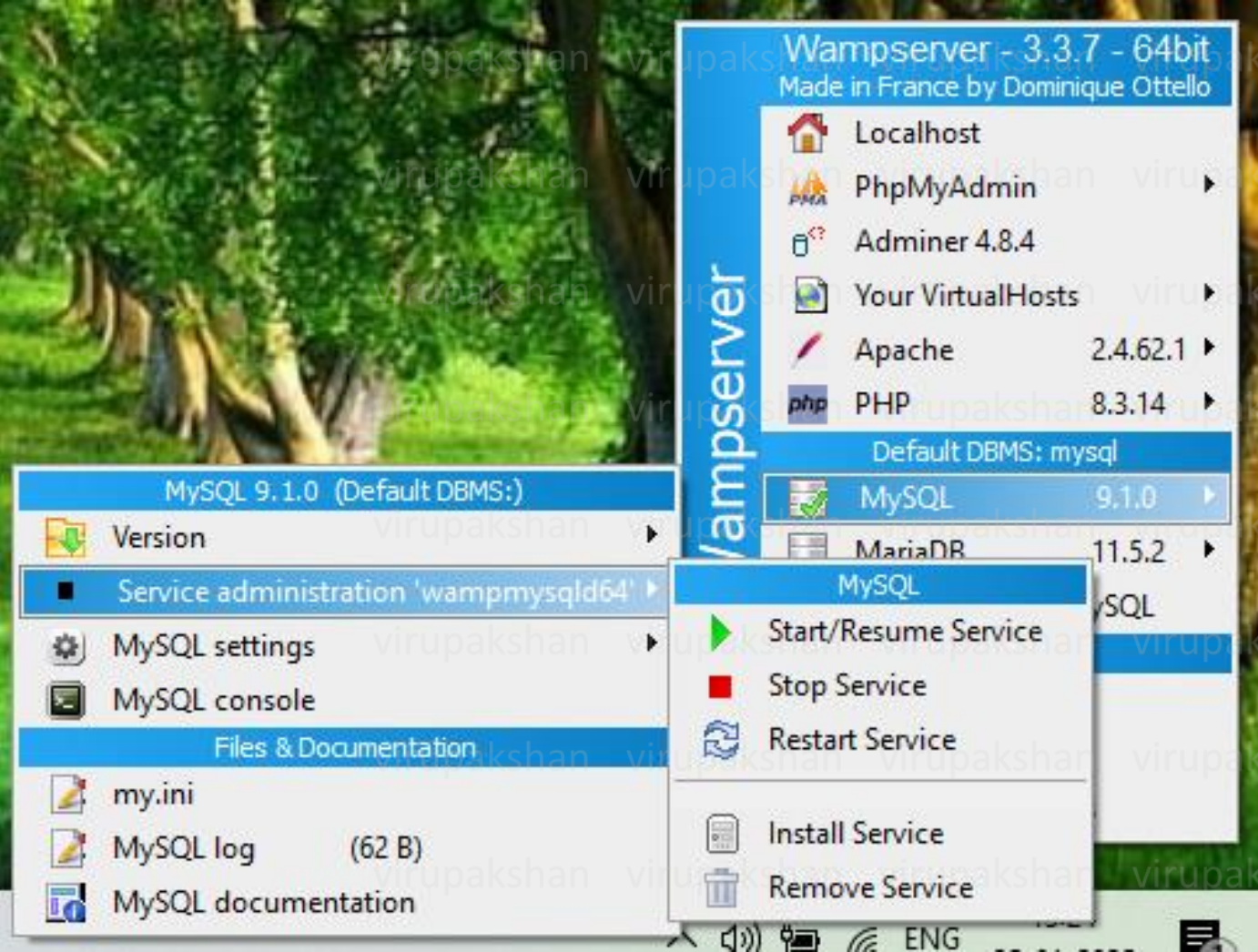


Stop/Start Apache Server



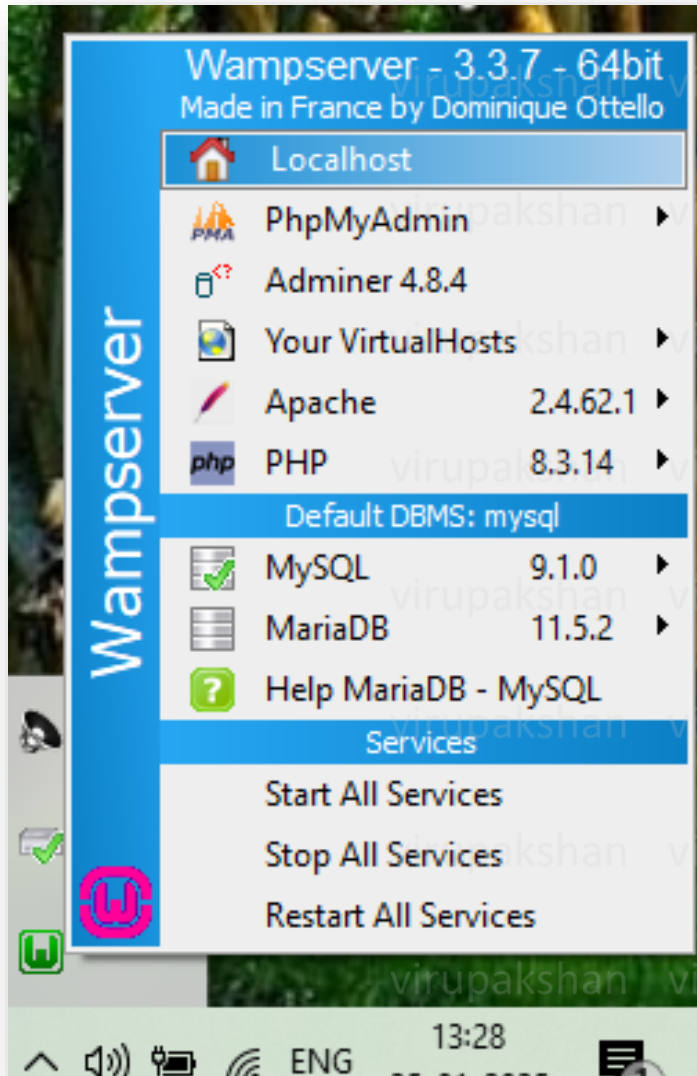
Start All Serices (W icon turns to green)

VirupakshanK@gmail.com



VirupakshanK@gmail.com

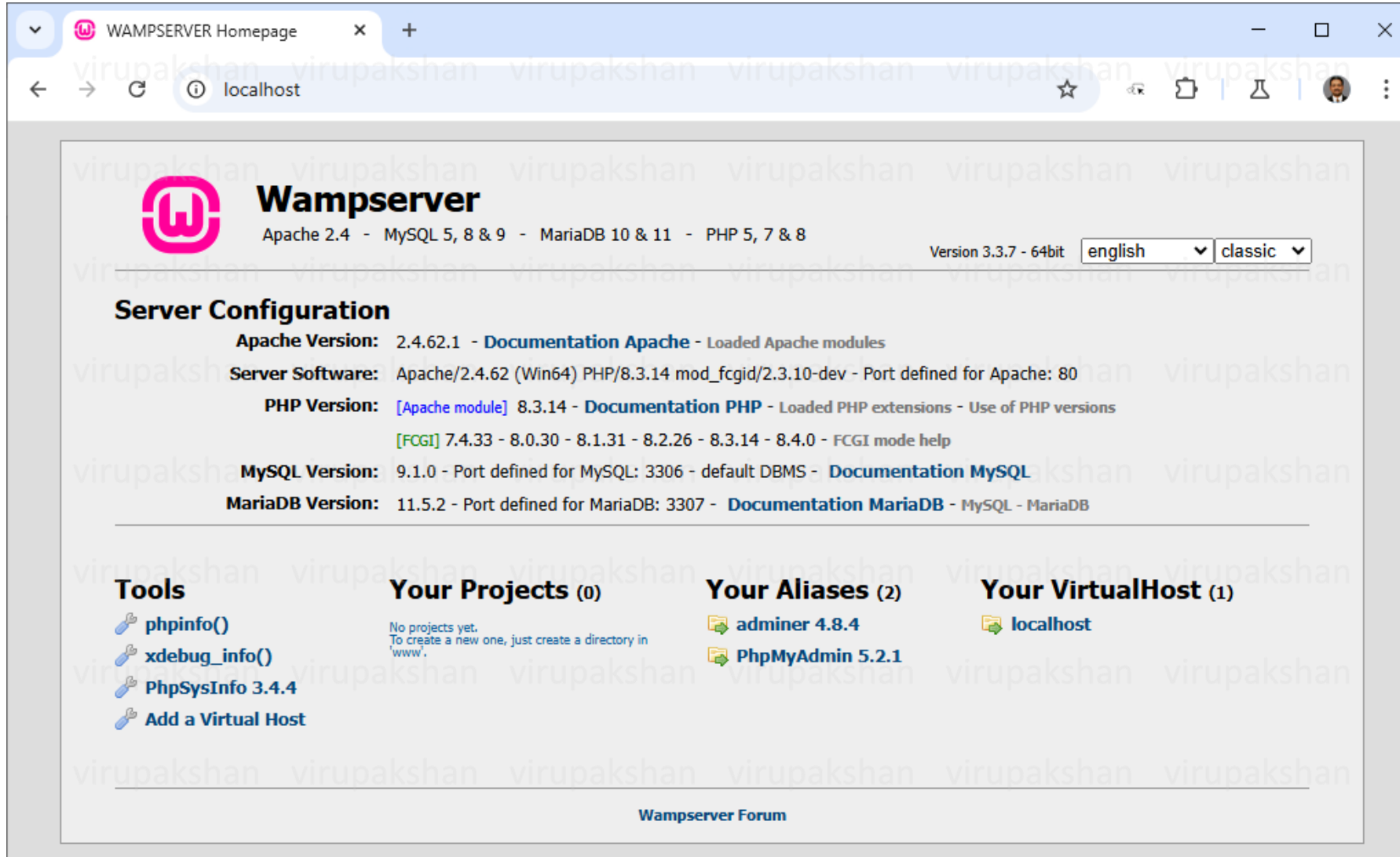
Check C:\wamp64\www\ folder



This PC > OS (C:) > wamp64 > www >

Name	Date modified	Type	Size
wamplanguages	25-01-2025 13:01	File folder	
wampthemes	25-01-2025 13:01	File folder	
favicon	31-12-2010 08:40	Icon	198 KB
add_vhost	02-01-2024 10:06	PHP File	49 KB
index	19-08-2024 15:10	PHP File	30 KB
test_sockets	21-09-2015 17:30	PHP File	1 KB
testmysql	17-06-2021 15:48	PHP File	1 KB

Finally, open <http://localhost/>



The screenshot shows a web browser window with the address bar set to `localhost`. The page displays the Wampserver homepage, which includes the Wampserver logo, version information (Apache 2.4, MySQL 5, 8 & 9, MariaDB 10 & 11, PHP 5, 7 & 8), and a 'Server Configuration' section. Below this, there are four sections: 'Tools' (listing phpinfo(), xdebug_info(), PhpSysInfo 3.4.4, and Add a Virtual Host), 'Your Projects (0)' (indicating no projects yet), 'Your Aliases (2)' (listing adminer 4.8.4 and PhpMyAdmin 5.2.1), and 'Your VirtualHost (1)' (listing localhost). The footer of the page includes a link to the Wampserver Forum.

Wampserver
Apache 2.4 - MySQL 5, 8 & 9 - MariaDB 10 & 11 - PHP 5, 7 & 8
Version 3.3.7 - 64bit
english classic

Server Configuration

Apache Version: 2.4.62.1 - [Documentation Apache](#) - Loaded Apache modules
Server Software: Apache/2.4.62 (Win64) PHP/8.3.14 mod_fcgid/2.3.10-dev - Port defined for Apache: 80
PHP Version: [\[Apache module\]](#) 8.3.14 - [Documentation PHP](#) - Loaded PHP extensions - Use of PHP versions
[\[FCGI\]](#) 7.4.33 - 8.0.30 - 8.1.31 - 8.2.26 - 8.3.14 - 8.4.0 - [FCGI mode help](#)
MySQL Version: 9.1.0 - Port defined for MySQL: 3306 - default DBMS - [Documentation MySQL](#)
MariaDB Version: 11.5.2 - Port defined for MariaDB: 3307 - [Documentation MariaDB](#) - [MySQL](#) - [MariaDB](#)

Tools

- [phpinfo\(\)](#)
- [xdebug_info\(\)](#)
- [PhpSysInfo 3.4.4](#)
- [Add a Virtual Host](#)

Your Projects (0)

No projects yet.
To create a new one, just create a directory in 'www'.

Your Aliases (2)

- [adminer 4.8.4](#)
- [PhpMyAdmin 5.2.1](#)

Your VirtualHost (1)

- [localhost](#)

[Wampserver Forum](#)

A simple index.html file (to begin)

```
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

Index.html

```
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

Place this file under
C:\wamp64\www

Now, open- <http://localhost/index.html>

Index.html

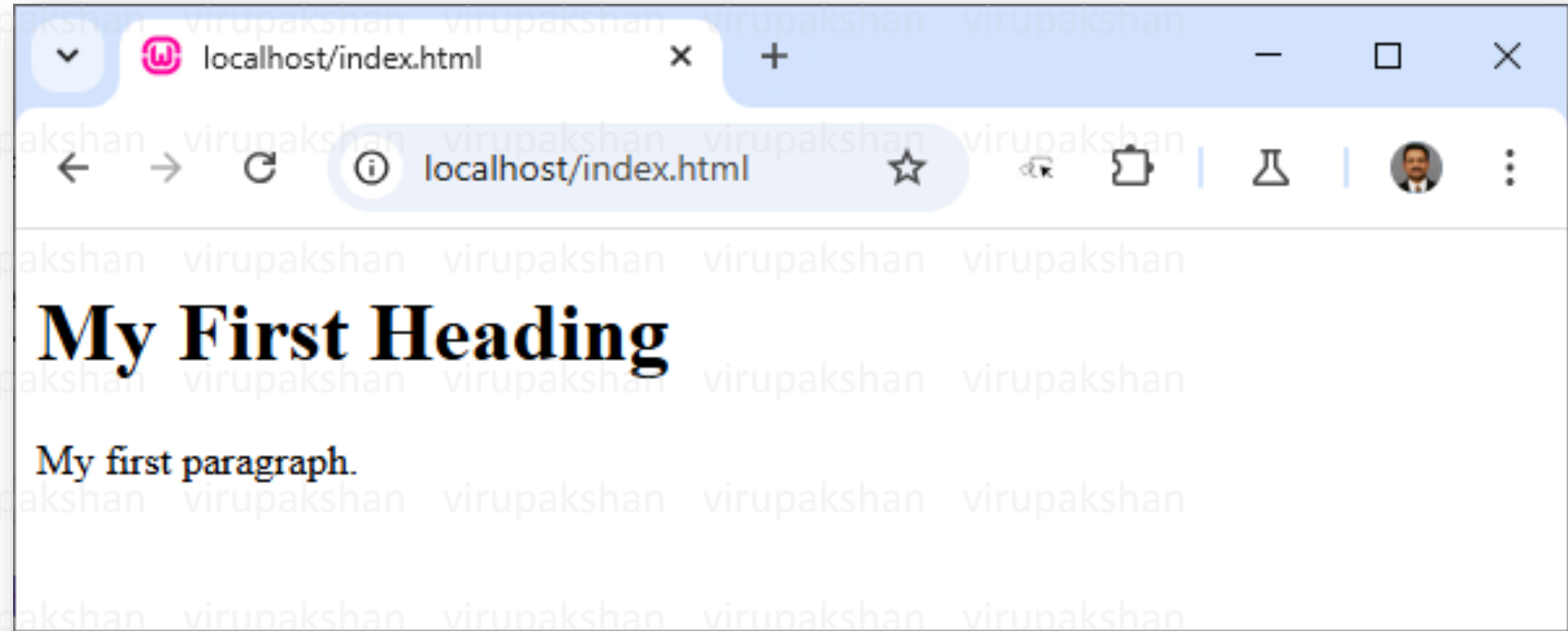
```
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

Place this index.html file under
C:\wamp64\www\



Welcome to Full StackDevelopment

FULL STACK DEVELOPMENT

ASSIGNMENT 01

HOW TO MAKE
YOUR LAPTOP
A WEB SERVER?

Doubts?

THANK YOU!

Virupakshan K

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