



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)



**Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
Accredited by NAAC-UGC with 'A++' Grade (Cycle III) &
Accredited by NBA (B.E - CSE, EEE, ECE, Mech & B.Tech.IT)
COIMBATORE-641 035, TAMIL NADU**

DEPARTMENT OF COMPUTER APPLICATIONS

23CAT605 – WEB STACK DEVELOPMENT

UNIT – IV : SERVER SIDE SCRIPTING

TOPIC: ESSENTIALS OF PHP

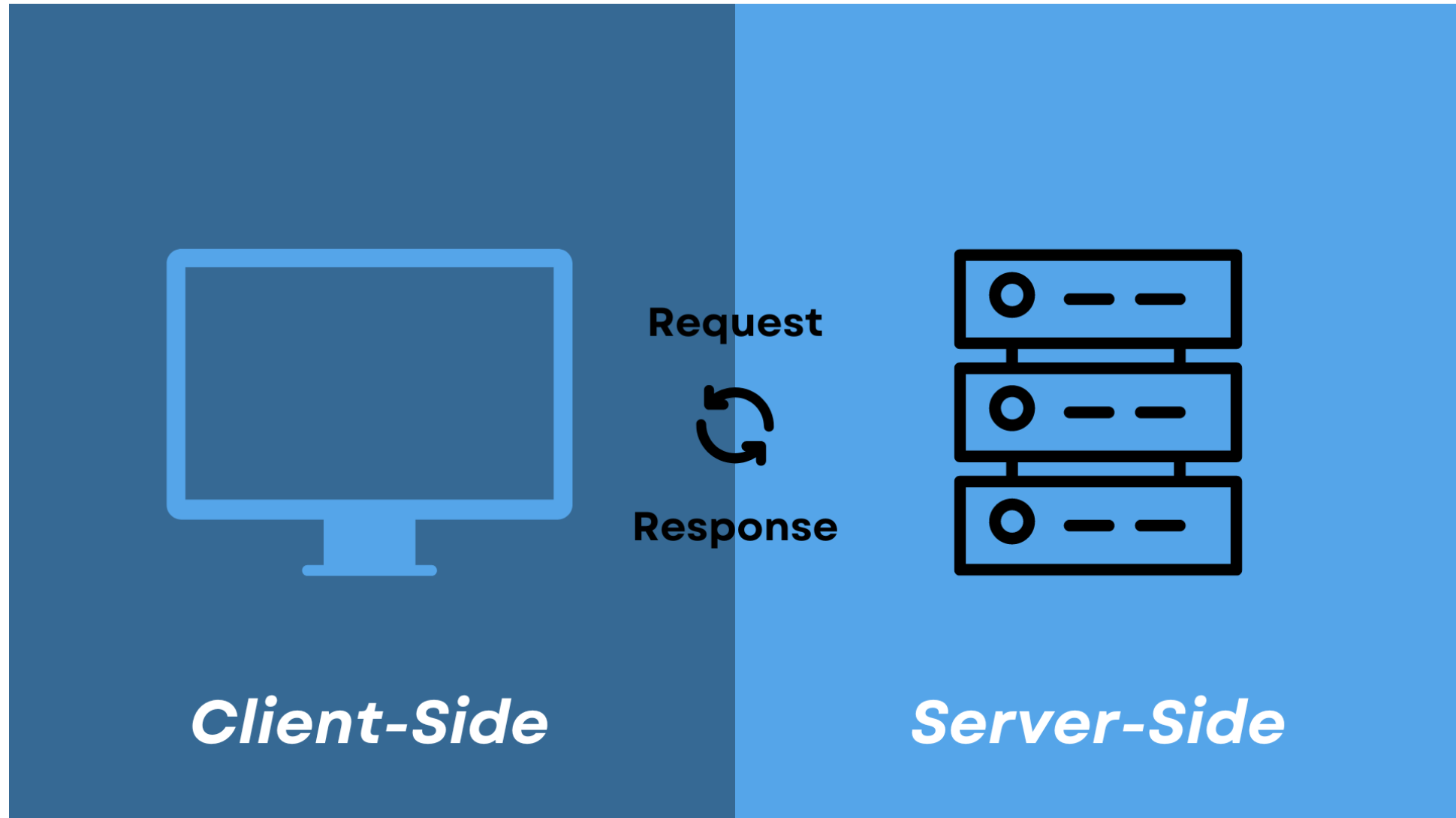


WHAT IS PHP?

PHP : Hypertext Preprocessor, earlier known as Personal Home Page

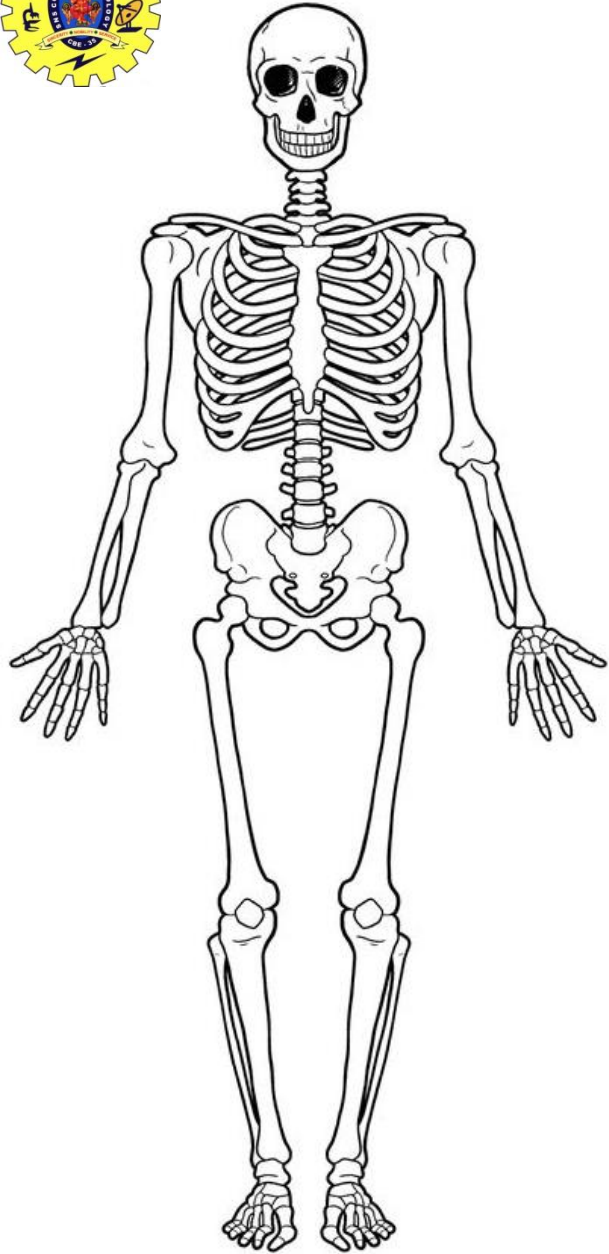


PHP is an open-source server side scripting language that is embedded into HTML and used for web development





HTML



CSS



JS



PHP & MYSQL





PHP SYNTAX:

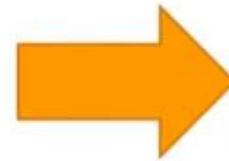


A PHP script starts with `<?php` and ends with `?>`

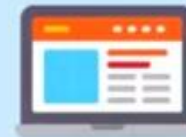
Syntax



```
<?php  
// PHP code  
?>
```



Example



```
<?php  
echo "Hello World!";  
?>
```



FEATURES OF PHP:



Simple



Highly flexible



Platform Independent



Interpreted



Fast



Open source



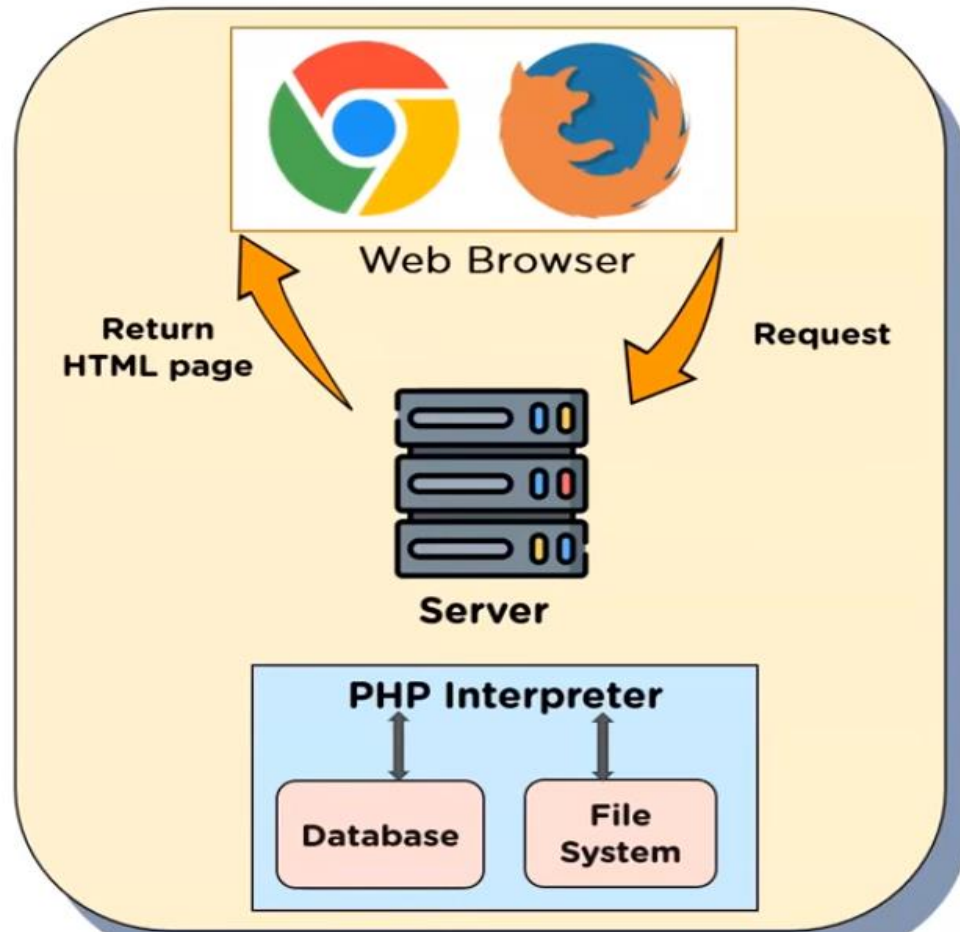
Secure



Large PHP community



WORKING OF PHP PAGES:



Working of PHP pages

- The request is sent from browser to server in .php extension
- The server sends the php page request to php interpreter
- PHP interpreter interprets the script to access specific data as requested
- The server then returns the HTML page according to the requirements



MAJOR COMPANIES USING PHP:



Facebook



Wikipedia



WordPress



Tumblr



Yahoo!



XAMPP INSTALLATION:

The screenshot shows a Google search interface. The search bar contains the text "install xampp server". Below the search bar, there are navigation options: "All", "Videos", "Images", "Shopping", "News", "More", and "Tools". The search results are displayed below, showing "About 23,00,000 results (0.55 seconds)". The first result is from "https://www.apachefriends.org" and is titled "Download XAMPP - Apache Friends". The description states: "XAMPP is an easy to **install** Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy." The second result is also from "https://www.apachefriends.org" and is titled "XAMPP Installers and Downloads for Apache Friends". The description states: "XAMPP is an easy to **install** Apache distribution containing MariaDB, PHP and ... Apache Friends is a non-profit project to promote the Apache web **server** and ...". Below the search results, there is a section titled "People also ask" with four questions: "How do I download and install XAMPP server?", "How can I download XAMPP server step by step?", "How do I download XAMPP on Windows 10 64 bit?", and "Is XAMPP server free?". The first question is expanded, showing the URL "https://www.apachefriends.org/download.html".



Download

XAMPP is an easy to install Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy.

XAMPP for Windows 7.3.29, 7.4.22 & 8.0.9

Version	Checksum	Size
7.3.29 / PHP 7.3.29 What's Included?	md5 sha1 Download (64 bit)	158 Mb
7.4.22 / PHP 7.4.22 What's Included?	md5 sha1 Download (64 bit)	159 Mb
8.0.9 / PHP 8.0.9 What's Included?	md5 sha1 Download (64 bit)	160 Mb

[Requirements](#) [Add-ons](#) [More Downloads](#) »

Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these <https://www.apachefriends.org/xampp-files/8.0.9/xampp-windows-x64-8.0.9-0-VS16-installer.exe>

Documentation/FAQs

There is no real manual or handbook for XAMPP. We wrote the documentation in the form of FAQs. Have a burning question that's not answered here? Try the Forums or Stack Overflow.

- [Linux FAQs](#)
- [Windows FAQs](#)
- [OS X FAQs](#)
- [OS X XAMPP-VM FAQs](#)

Add-ons



[Cookie Settings](#)



Download XAMPP XAMPP Download Success

apachefriends.org/download_success.html

Apache Friends Download Add-ons Hosting Community About Search.. Search EN

Awesome!

Your download will start automatically. If it doesn't, [click here](#).

Reading

Be sure to read the install instructions and FAQs:

- [Linux FAQs](#)
- [Windows FAQs](#)
- [OS X FAQs](#)
- [OS X XAMPP-VM FAQs](#)

You can find additional help on our [forums](#) or [Stack Overflow](#).

Tell Your Friends about XAMPP

I just got #XAMPP from @ApacheFriends
<https://www.apachefriends.org> #opensource.

[Tweet!](#)

[Twitter](#) [Facebook](#) [Google+](#)

Add-ons

Community

XAMPP has been around for more than 10

Mailing List

Email

[Cookie Settings](#)

xampp-windows-x...exe
90/161 MB, 1 min left

[Show all](#)



64_bit_python

File Home Share View

This PC > New Volume (D:) > 64_bit_python

Search 64_bit_python

- tamil movi
- fontawesome-free
- CR_A644B.tmp
- Downloads
- WhatsApp Unknow
- Removable Storage
- Downloads
- New folder
- phpacademy
- tnpsc
- OneDrive
 - Attachments
 - Music
 - Pictures
- This PC
 - 3D Objects
 - Desktop
 - Documents
 - Downloads
 - Music
 - Pictures
 - Videos
 - Local Disk (C:)
 - New Volume (D:)
- Network

5 items

get-pip
JetBrains PyCharm Community E...
1.58 MB

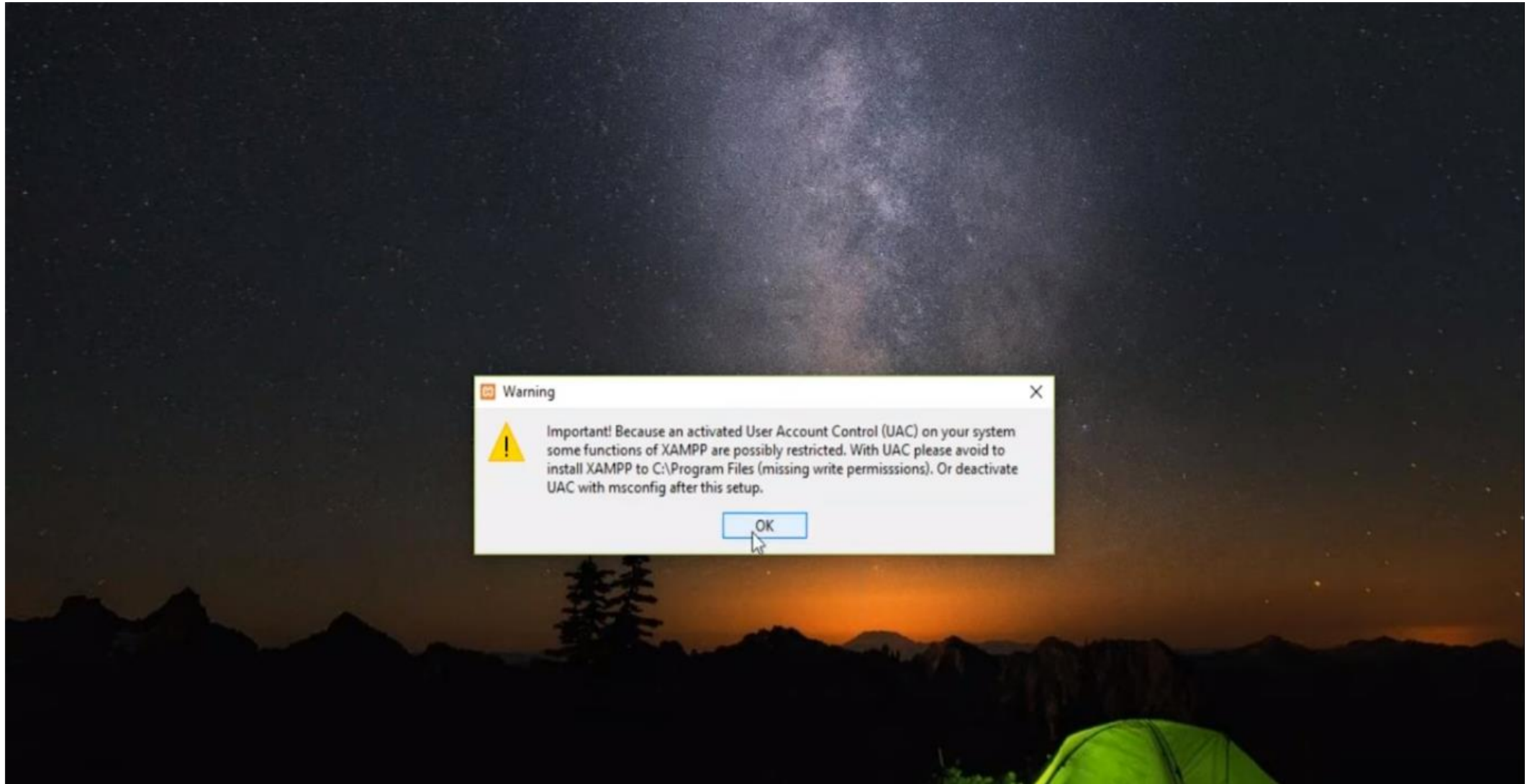
jdk-12.0.1_windows-x64_bin
Java(TM) Platform SE binary
Oracle Corporation

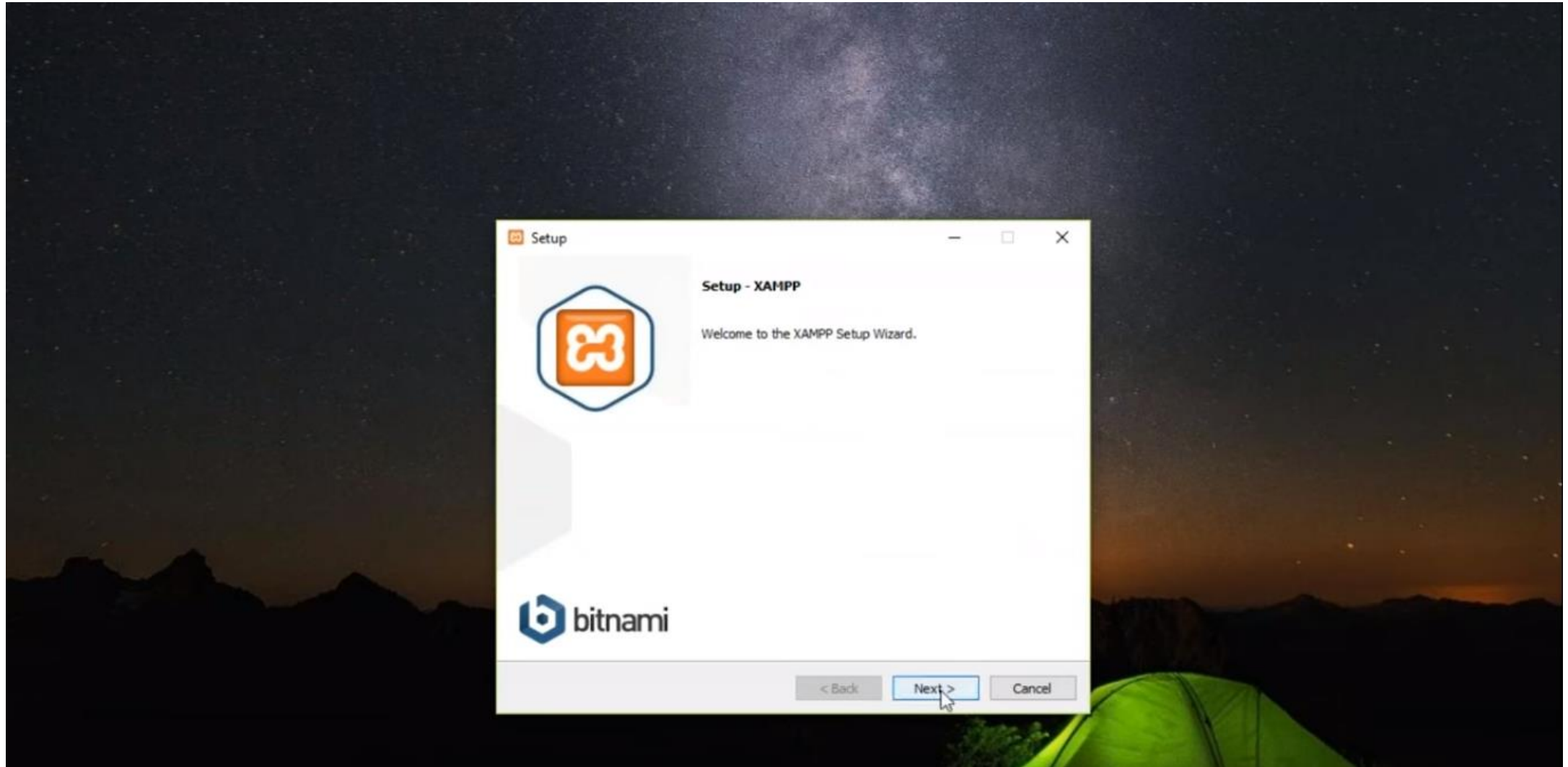
pycharm-community-2019.1
07-01-2020 05:55 PM
229 MB

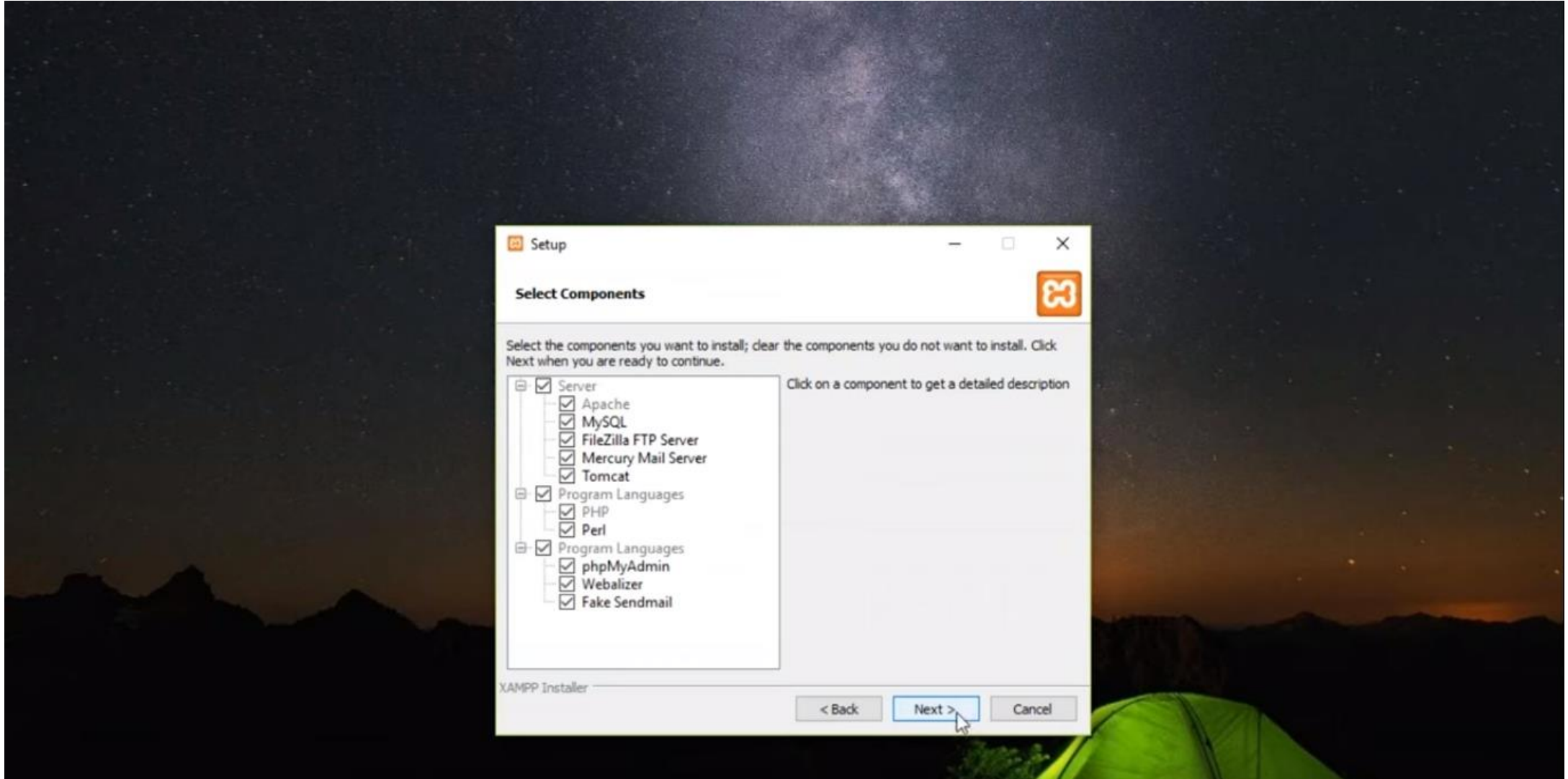
python-3.7.3-amd64
Python 3.7.3 (64-bit)
Python Software Foundation

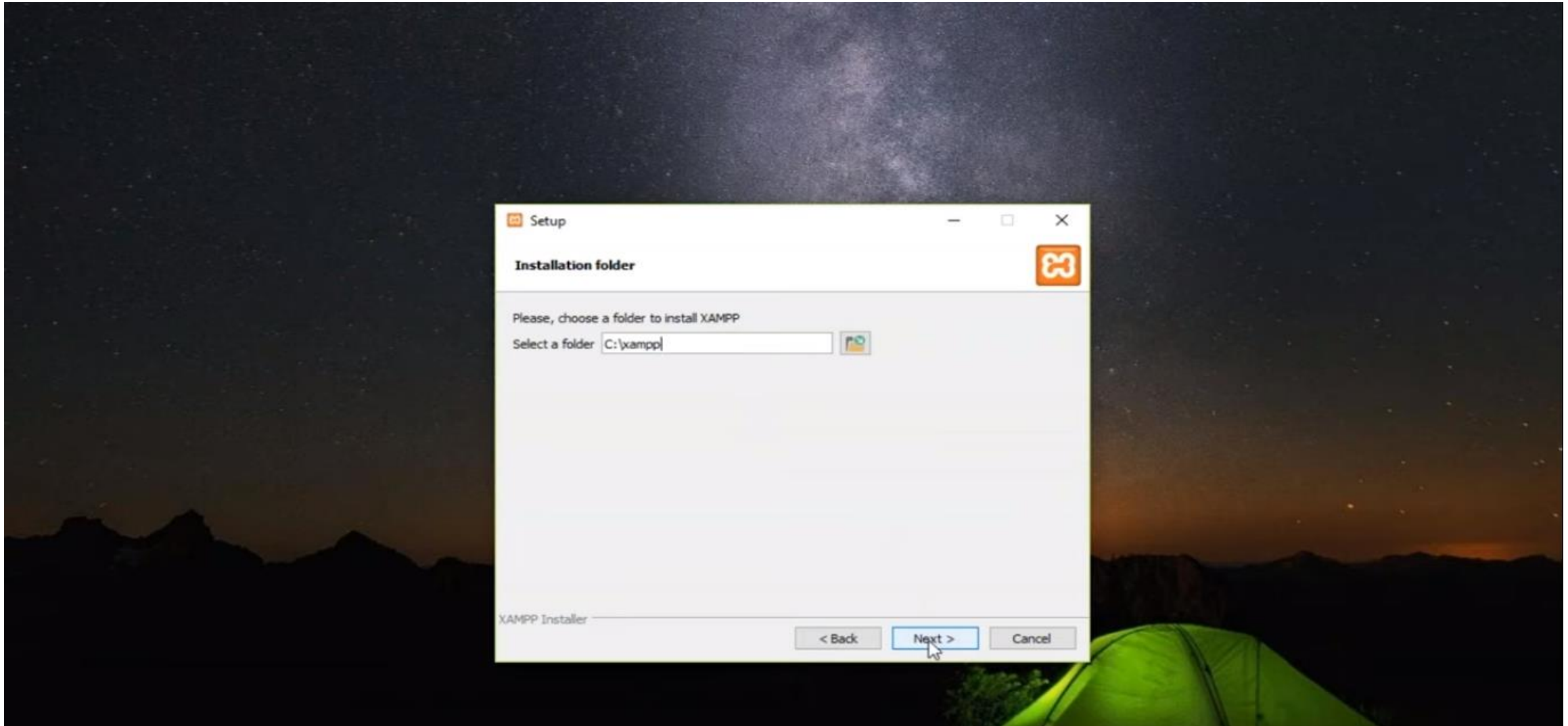
xampp-windows-x64-7.3.4-0-VC15
-installer
1.0.0.0

File version: 1.0.0.0
Date created: 07-01-2020 05:55 PM
Size: 146 MB

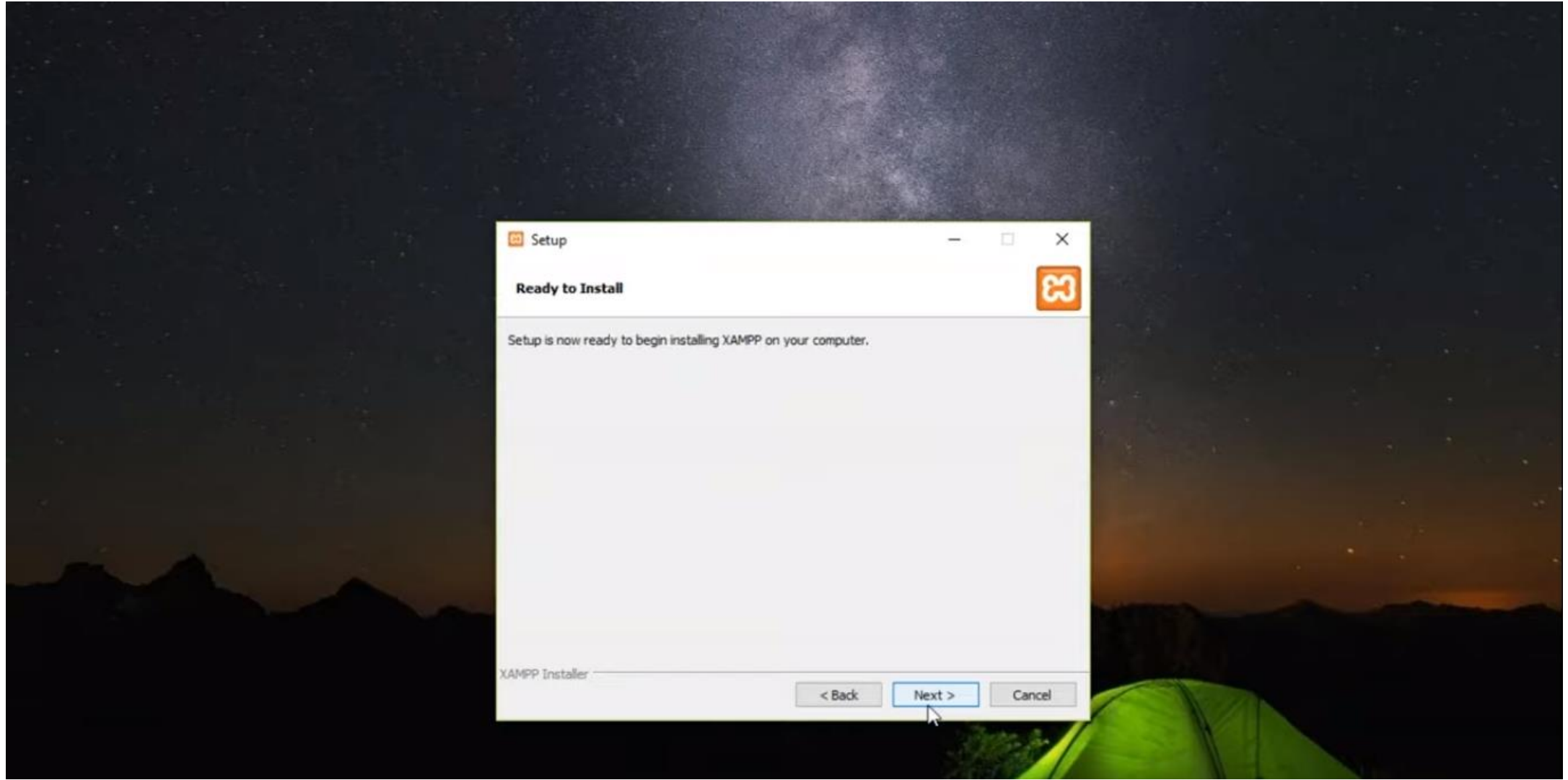


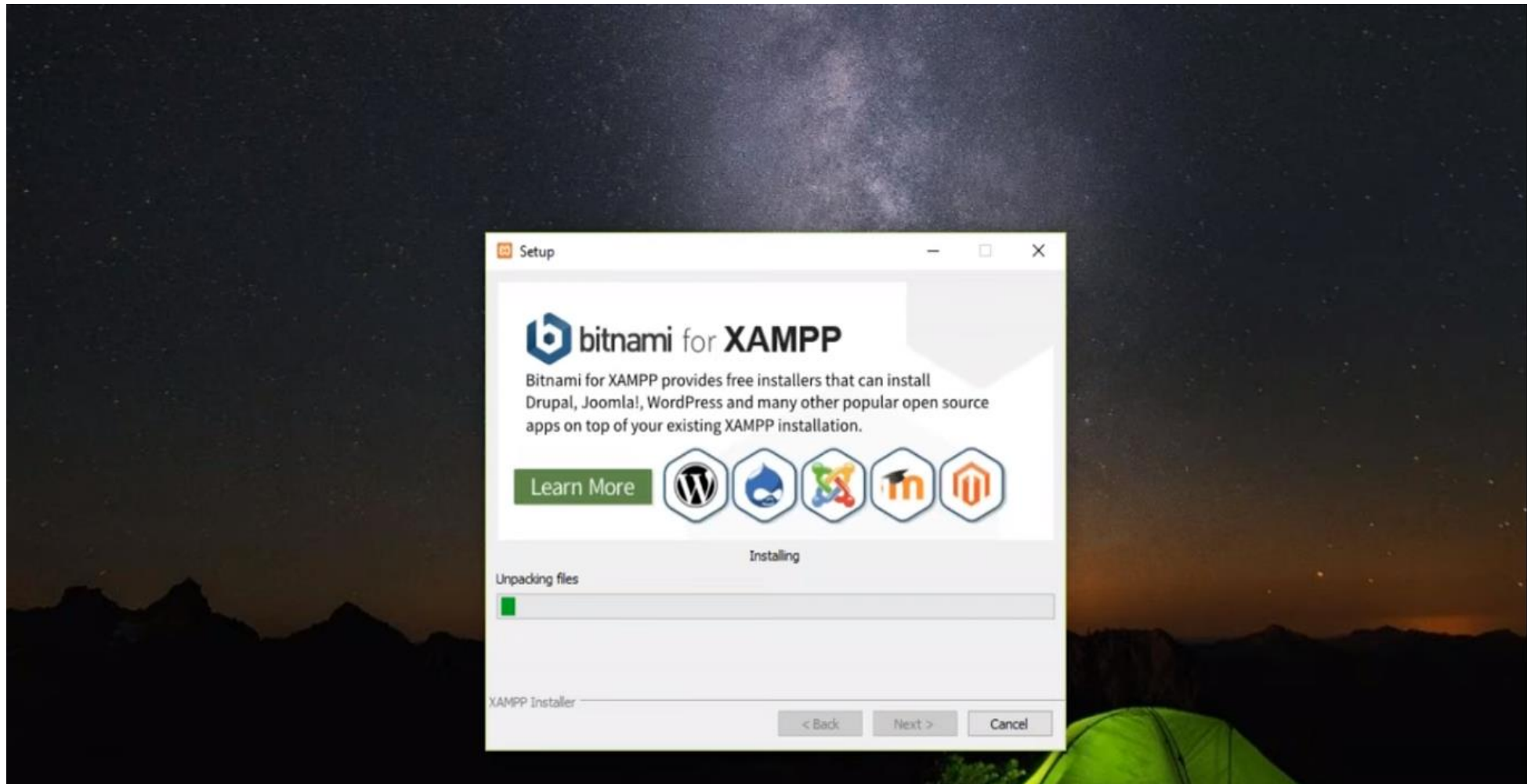


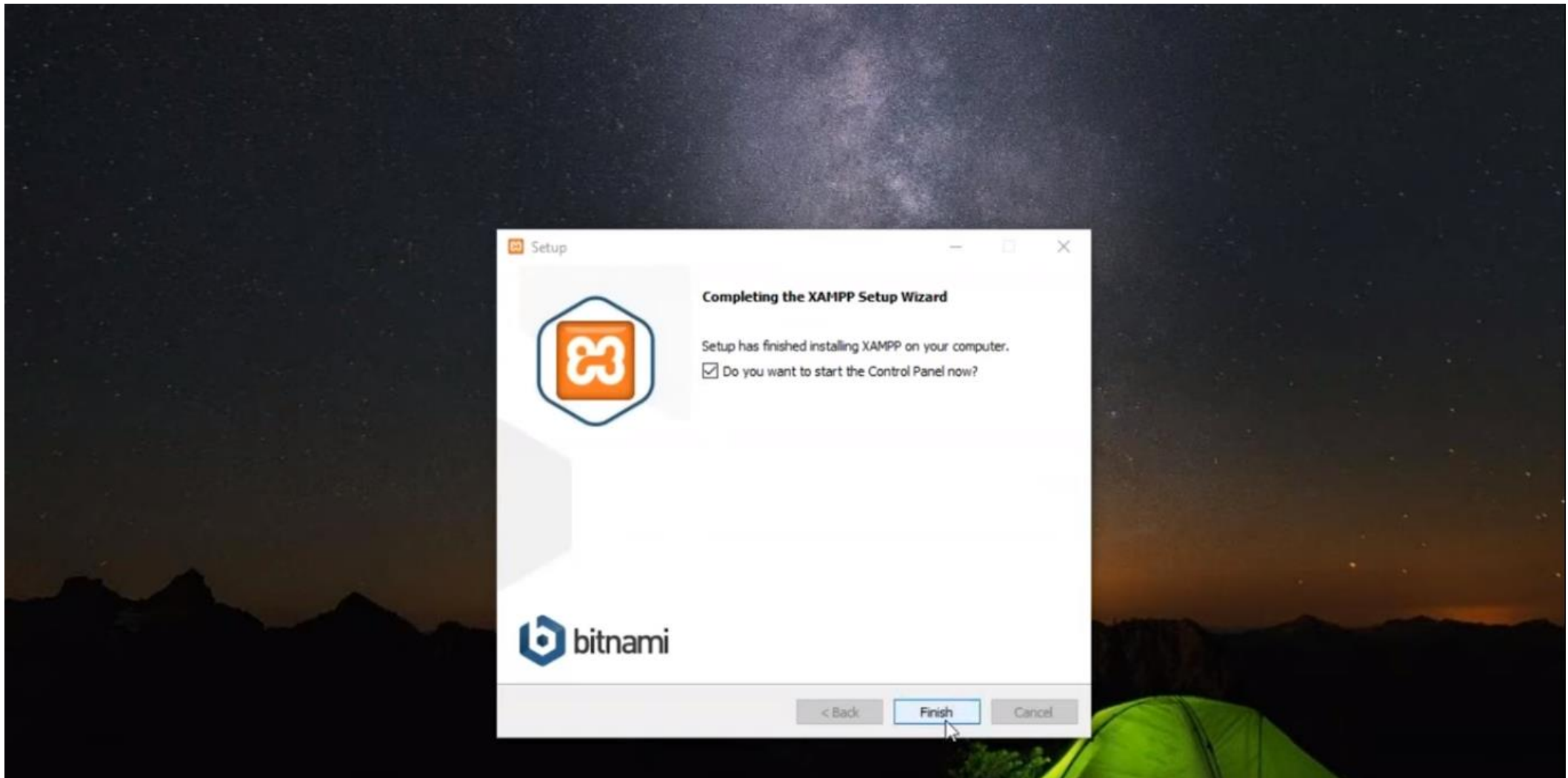


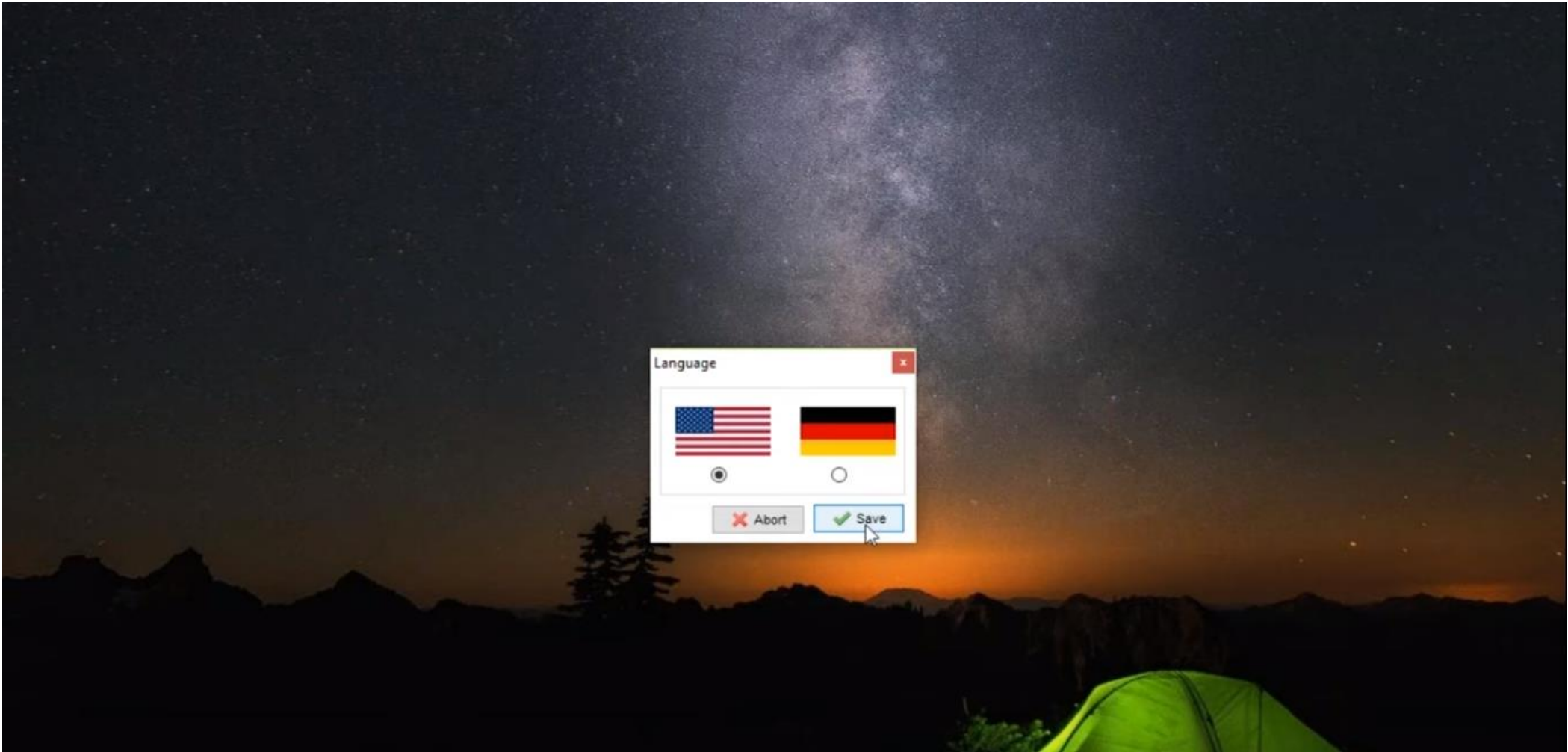


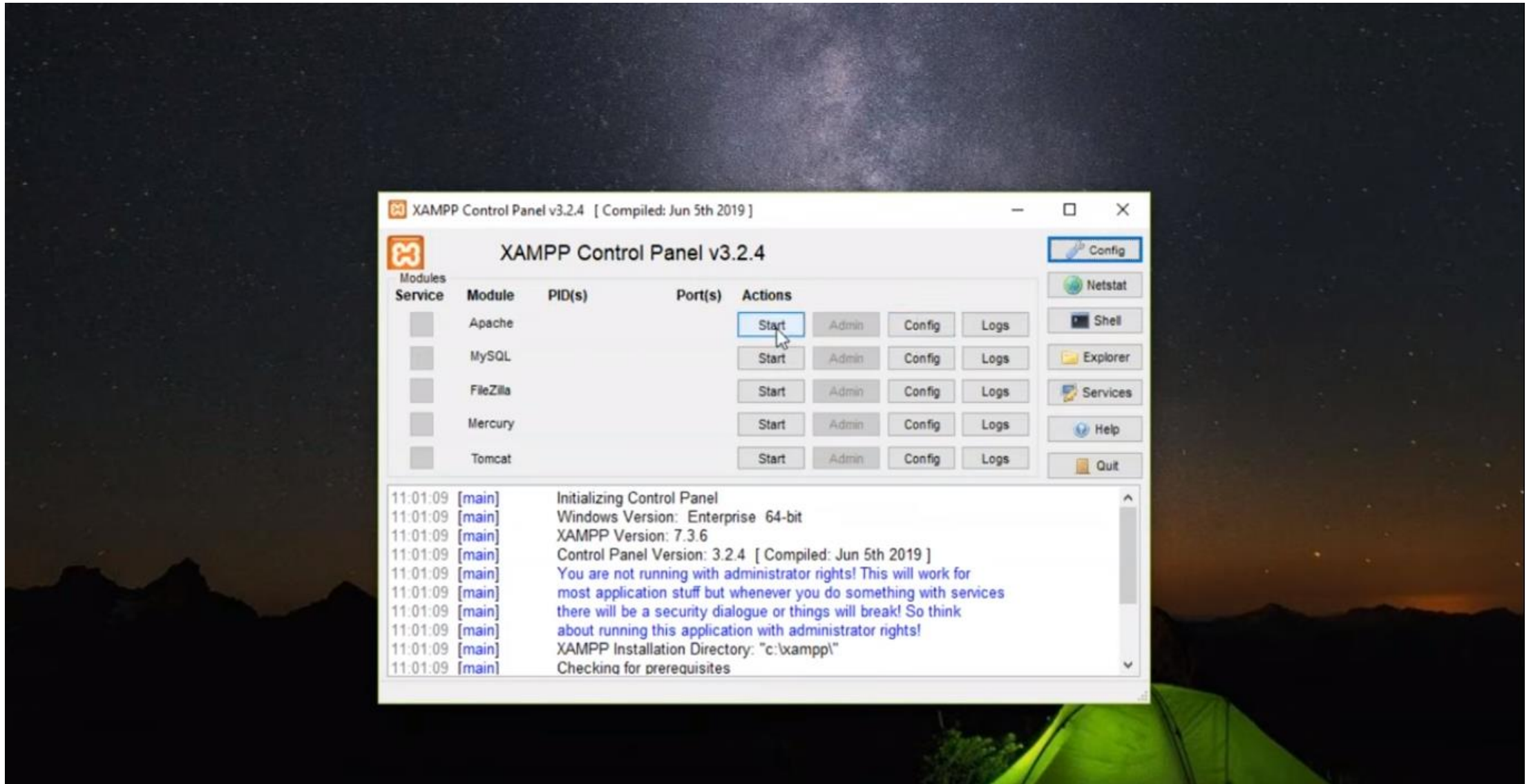


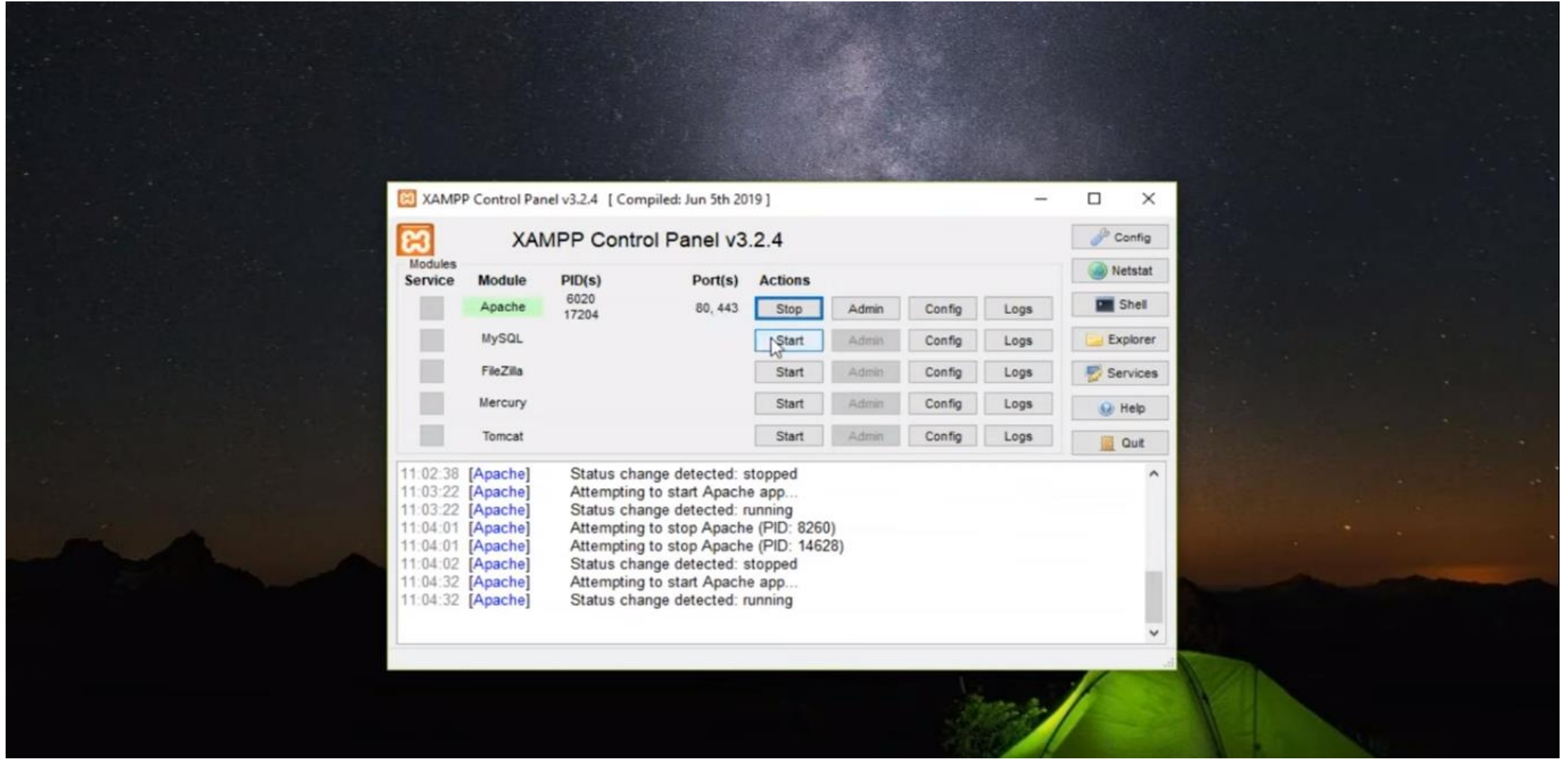


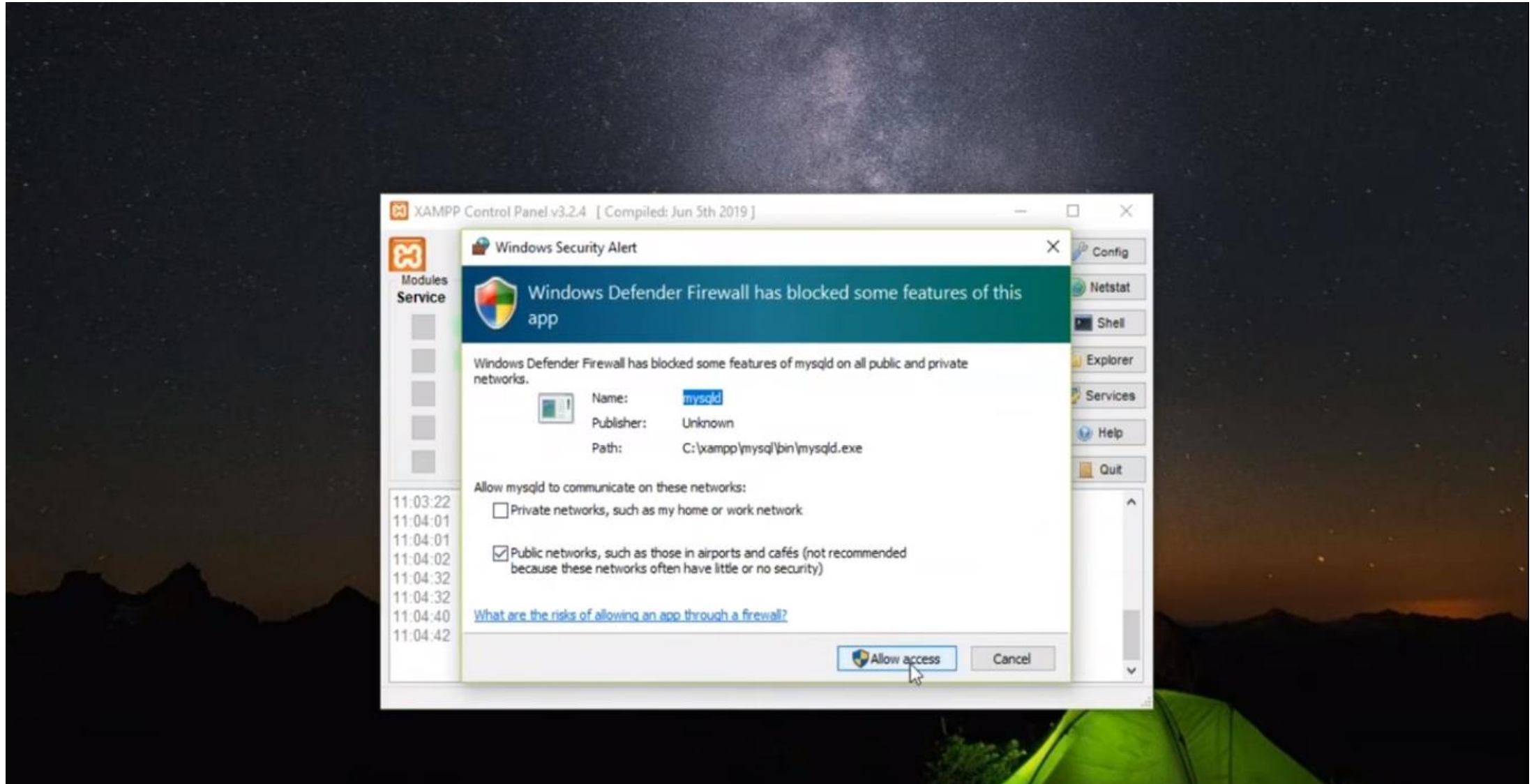














XAMPP Control Panel v3.2.4 [Compiled: Jun 5th 2019]

XAMPP Control Panel v3.2.4

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	6020 17204	80, 443	Stop Admin Config Logs
<input type="checkbox"/>	MySQL	11900	3306	Stop Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

11:03:22 [Apache] Status change detected: running
11:04:01 [Apache] Attempting to stop Apache (PID: 8260)
11:04:01 [Apache] Attempting to stop Apache (PID: 14628)
11:04:02 [Apache] Status change detected: stopped
11:04:32 [Apache] Attempting to start Apache app...
11:04:32 [Apache] Status change detected: running
11:04:40 [mysql] Attempting to start MySQL app...
11:04:42 [mysql] Status change detected: running



localhost:8080 / 127.0.0.1 | phpMyAdmin

localhost:8080/phpmyadmin/

phpMyAdmin

Server: 127.0.0.1

Databases SQL Status User accounts Export Import Settings Replication Variables Charsets More

Recent Favorites

- New
- face detect
 - New
 - attendance1hour
 - attendance2hour
 - attendance3hour
 - stureg
- information_schema
- mysql
- performance_schema
- phpmyadmin
- placement
- placementdetails
- studentdetails
- test

General settings

Server connection collation: utf8mb4_unicode_ci

Appearance settings

Language: English

Theme: pmahomme

Font size: 82%

More settings

Database server

- Server: 127.0.0.1 via TCP/IP
- Server type: MariaDB
- Server connection: SSL is not being used
- Server version: 10.1.38-MariaDB - mariadb.org binary distribution
- Protocol version: 10
- User: root@localhost
- Server charset: UTF-8 Unicode (utf8)

Web server

- Apache/2.4.39 (Win64) OpenSSL/1.1.1b PHP/7.3.4
- Database client version: libmysql - mysqlnd 5.0.12-dev - 20150407 - \$Id: 7cc7cc96e675f6d72e5cf0f267f48e167c2abb23 \$
- PHP extension: mysqli curl mbstring
- PHP version: 7.3.4

phpMyAdmin

- Version information: 4.8.5, latest stable version: 5.1.1
- Documentation
- Official Homepage
- Contribute

Console

npp.8.1.2.Installer.....exe Canceled

Show all



SAMPLE CODE

```
<html>
<body>
<?php
$a = 235;
$b = 785;
echo "Sum of $a and $b is: ";
echo $a + $b;
?>
</body>
</html>
```



SAVING THE PHP CODE,

The screenshot shows a Windows File Explorer window titled 'xampp' with the address bar set to 'This PC > Local Disk (C:) > xampp'. The left sidebar shows 'Local Disk (C:)' selected. The main pane displays a list of files and folders:

Name	Date modified	Type	Size
anonymous	12-05-2021 19:23	File folder	
apache	12-05-2021 19:24	File folder	
cgi-bin	12-05-2021 19:31	File folder	
contrib	12-05-2021 19:24	File folder	
FileZillaFTP	12-05-2021 19:31	File folder	
htdocs	23-06-2021 19:43	File folder	
img	12-05-2021 19:23	File folder	
install	12-05-2021 19:31	File folder	
licenses	12-05-2021 19:23	File folder	
locale	12-05-2021 19:23	File folder	
mailoutput	12-05-2021 19:23	File folder	
mailtodisk	12-05-2021 19:24	File folder	
MercuryMail	12-05-2021 19:31	File folder	
mysql	12-05-2021 19:24	File folder	
perl	12-05-2021 19:26	File folder	
php	12-05-2021 19:31	File folder	
phpMyAdmin	12-05-2021 19:32	File folder	
sendmail	12-05-2021 19:29	File folder	
src	12-05-2021 19:23	File folder	
tmp	28-06-2021 15:35	File folder	
tomcat	12-05-2021 19:25	File folder	
webalizer	12-05-2021 19:31	File folder	
webdav	12-05-2021 19:23	File folder	
apache_start	07-06-2013 16:45	Windows Batch File	1 KB
apache_stop	12-05-2021 19:31	Windows Batch File	1 KB
catalina_service	05-04-2021 21:46	Windows Batch File	11 KB
catalina_start	05-04-2021 21:47	Windows Batch File	4 KB
catalina_stop	05-04-2021 21:47	Windows Batch File	4 KB

At the bottom left, it says '52 items | 1 item selected'. The 'htdocs' folder is highlighted in blue.



htdocs

File Home Share View

This PC > Local Disk (C:) > xampp > htdocs >

Search htdocs

Quick access

- Desktop
- Downloads
- Documents
- Pictures
- MAD LAB
- Movies
- PHP LAB
- survey form

OneDrive

This PC

- 3D Objects
- Desktop
- Documents
- Downloads
- Music
- Pictures
- Videos
- Local Disk (B:)
- Local Disk (C:)
- Local Disk (D:)
- Local Disk (E:)
- Network

Name	Date modified	Type	Size
dashboard	12-05-2021 19:23	File folder	
ecampus	13-05-2021 16:15	File folder	
Hackathon	12-05-2021 19:40	File folder	
New folder	06-08-2021 15:03	File folder	
project	12-05-2021 19:40	File folder	
sample	22-06-2021 17:22	File folder	
sample1	23-06-2021 20:37	File folder	
student portal	12-05-2021 19:40	File folder	
webalizer	12-05-2021 19:23	File folder	
xampp	12-05-2021 19:23	File folder	
applications	27-08-2019 19:32	Firefox HTML Doc...	4 KB
bitnami	27-08-2019 19:32	Cascading Style S...	1 KB
favicon	16-07-2015 21:02	Icon	31 KB

13 items | 1 item selected





untitled - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```
untitled
1 <html>
2 <body>
3 <?php
4 $a = 235;
5 $b = 785;
6 echo "Sum of $a and $b is: ";
7 echo $a + $b;
8 ?>
9 </body>
10 </html>
```

Save As dialog box showing file path: < xampp > htdocs > New folder. File name: sample.php. Save as type: All Files (*.*)

Line 10, Column 8

Tab Size: 4

HTML





TO RUN,

1. In XAMPP Control panel, start both Apache and MySQL

XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]

XAMPP Control Panel v3.3.0

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	9648 5876	80, 443	Stop Admin Config Logs
<input type="checkbox"/>	MySQL	4916	3306	Stop Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

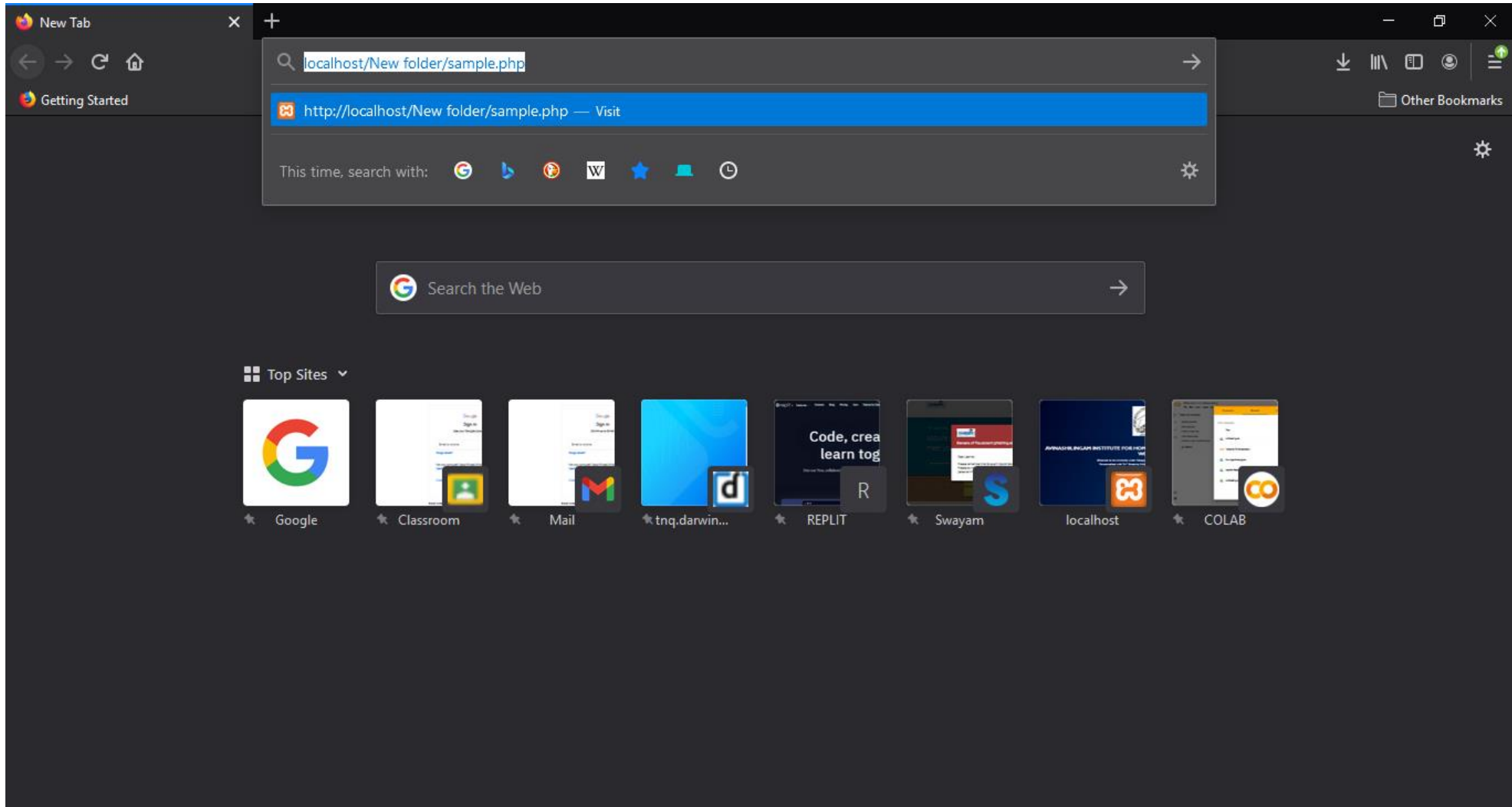
Log:

```
15:07:31 [main] All prerequisites found
15:07:31 [main] Initializing Modules
15:07:31 [main] Starting Check-Timer
15:07:31 [main] Control Panel Ready
15:07:34 [Apache] Attempting to start Apache app...
15:07:35 [Apache] Status change detected: running
15:07:36 [mysql] Attempting to start MySQL app...
15:07:37 [mysql] Status change detected: running
```



2. Type "localhost/foldername/program filename with extension"

Eg: "localhost/New folder/sample.php"





localhost/New%20folder/samp x +

localhost/New folder/sample.php

Sum of 235 and 785 is: 1020