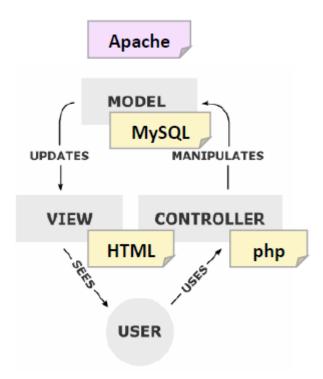
Installation of Our works

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Install APM

APM stands for

- 1. Apache, as a web server program
- 2. PHP, as a server-side programming language
- 3. MySQL, as DBMS



To implement web server that uses DBMS, you should install APM. There are two ways to install APM, but I recommend you to download as first way.

1. Download a combined software "XAMPP"

https://www.apachefriends.org

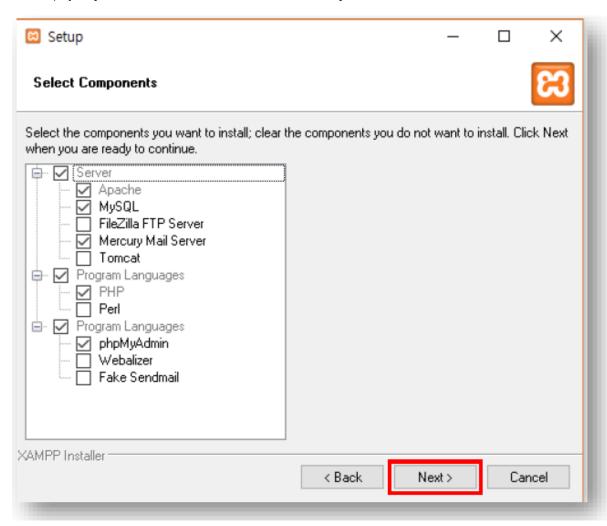
2. Download the three software independently

Apache: http://apachelounge.com/download/

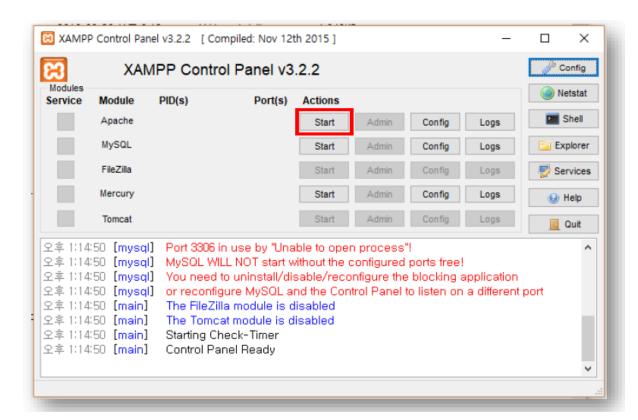
PHP: http://windows.php.net/download/

MySQL: http://dev.mysql.com/downloads/mysql/

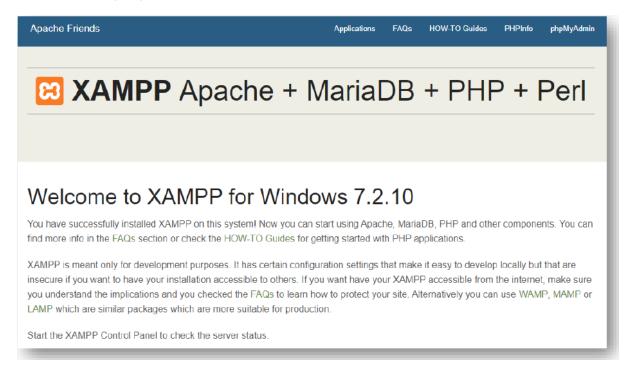
In setup, you just check what to need as follows, and just click "next" for others:



After installation of XAMPP, control panel is going to open. Click "Start" to begin Apache, and check it working as follows:



To check working of Apache, access to http://localhost/dashboard/. If you can see the image as below, click [Stop] Apache, and [Quit].



Modify C:\#xampp\#apache\#conf\#httpd.conf as follows, note that \₩ is same as back slash:

1. Check [ServerRoot] of Apache

```
39 ServerRoot "C:/xampp/apache"
```

2. Check [Listen] for port number

```
60 Listen 80
```

3. Modify [DirectoryIndex]

Modify C:₩xampp₩php₩php.ini

1. Check default_charset

```
705 default_charset="UTF-8"
```

2. Modify date.timezone

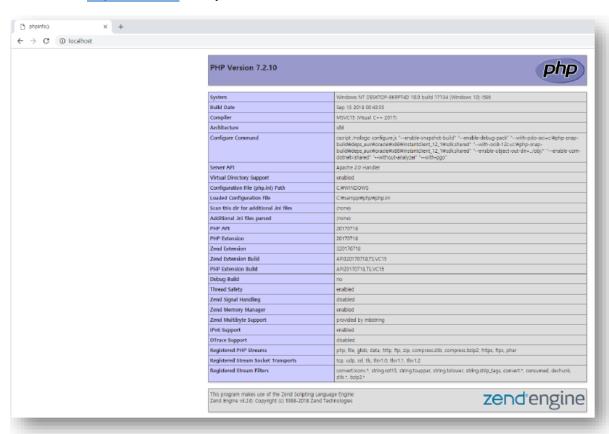


(Not Romanian to write Chisinau, Write with English.)

Running PHP

1. Delete whole files and write index.php in C:₩xampp\thtdocs as follows:

- 2. Restart Apache by using xampp-control.exe in C:₩xampp
- 3. Access to http://localhost then you can show below screen in localhost



Install Java

1. Install Java version 8 at https://www.java.com/en/download/win10.jsp



Agree and Start Fre Download

By downloading Java you acknowledge that you have read and accepted the terms of the Oracle Technology Network License Agreement for Oracle Java SE



When your Java installation completes, you may need to restart your browser (close all browser windows and re-open) to enable the Java installation.

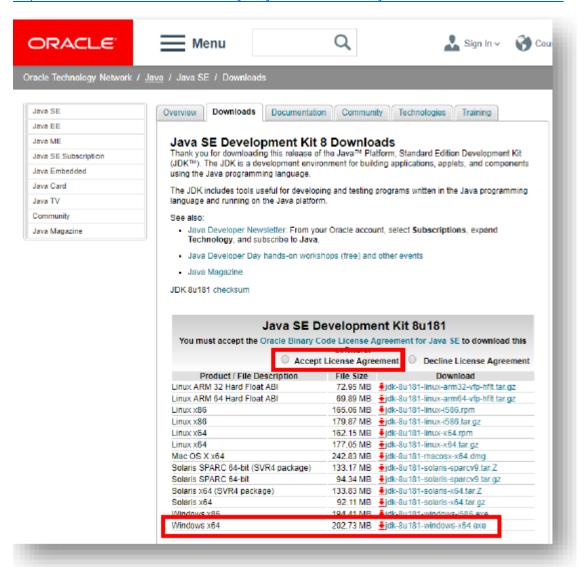
- » Installation Instructions
- » System Requirements

Not the right operating system? See all Java downloads.

Java software for your computer, or the Java Runtime Environment, is also referred to as the Java Runtime, Runtime Environment, Runtime, JRE, Java Virtual Machine, Virtual Machine, Java VM, JVM, VM, Java plug-in, Java plugin, Java add-on or Java download.

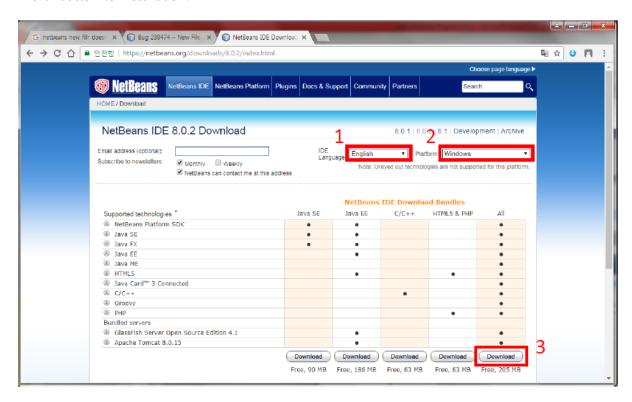
2. Install JDK SE Development Kit 8 at

https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html



Install NetBeans(IDE)

1. Download NetBeans 8.0.2 at https://netbeans.org/downloads/8.0.2/index.html and keep click "next" button to installation.



Setting MySQL password

1. Execute cmd



- 2. Type "mysqladmin -u root password "Your password in here" $\,$
- Ex) mysqladmin -u root password 1234

C:₩xampp₩mysql₩bin>mysqladmin -u root password 1234

Execute MySQL

1. Execute cmd



2. Type "cd C:\mathbb{\psi}xampp\mysql\mbin"

C:\Users\User>cd C:\xampp\mysq|\bin

3. Type "mysql -u root -p" and enter password

C:₩xampp₩mysql₩bin>mysql -u root -p Enter password:

cf. If you have a error at executing on XAMPP,

1. Execute services.msc



2. Stop the service of MySQL. It is about conflict of port.

