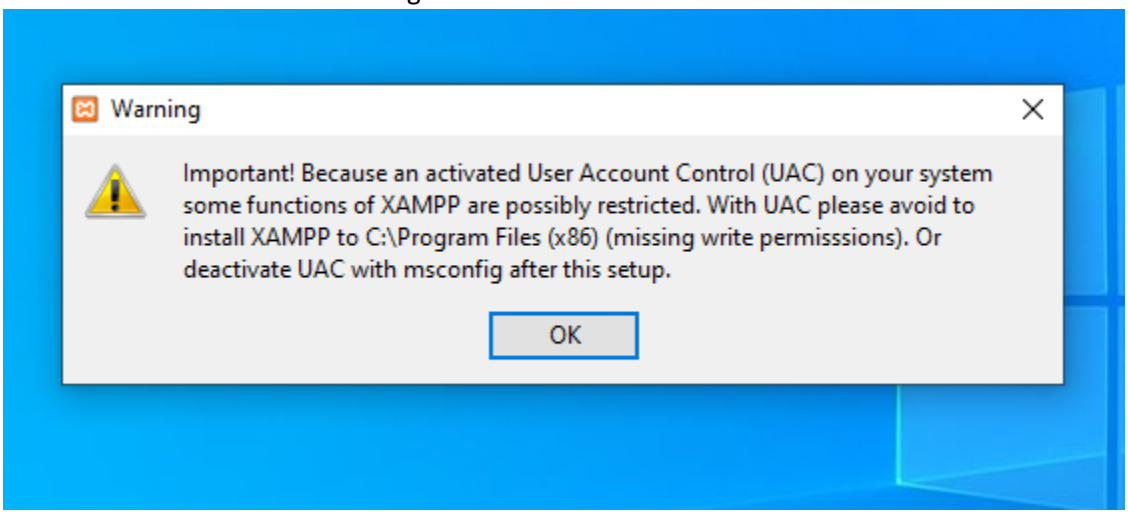
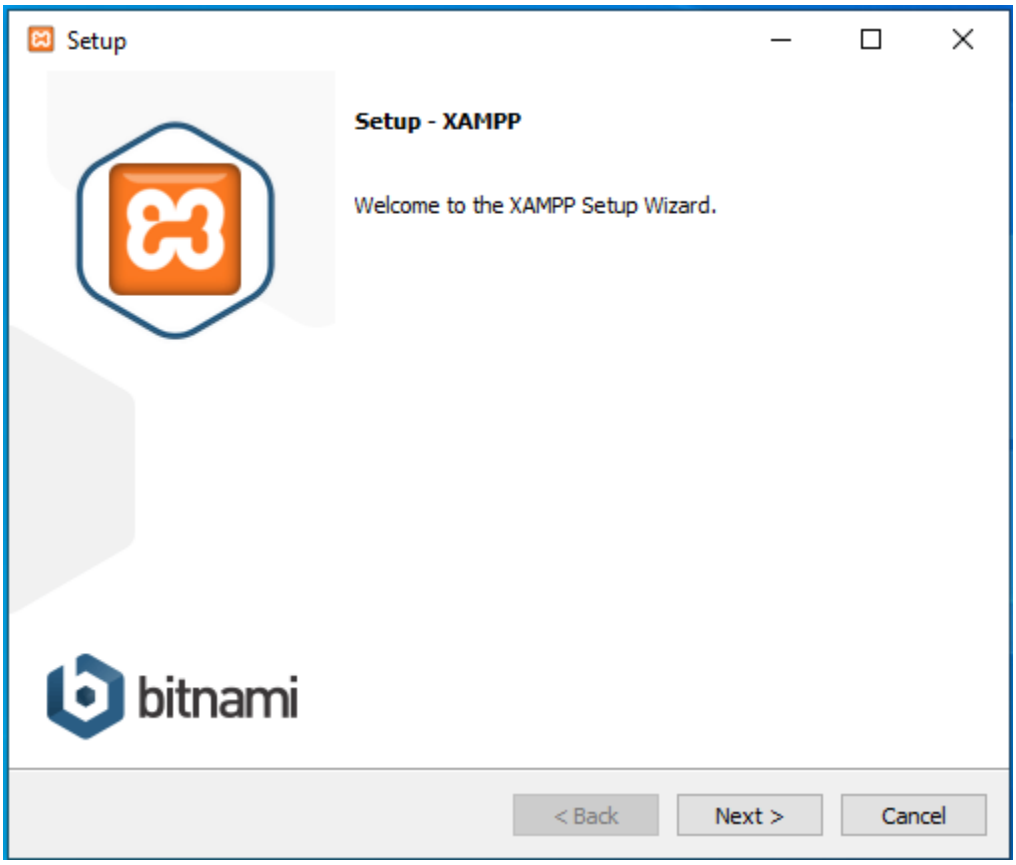
INSTALLATION GUIDELINES

XAMPP

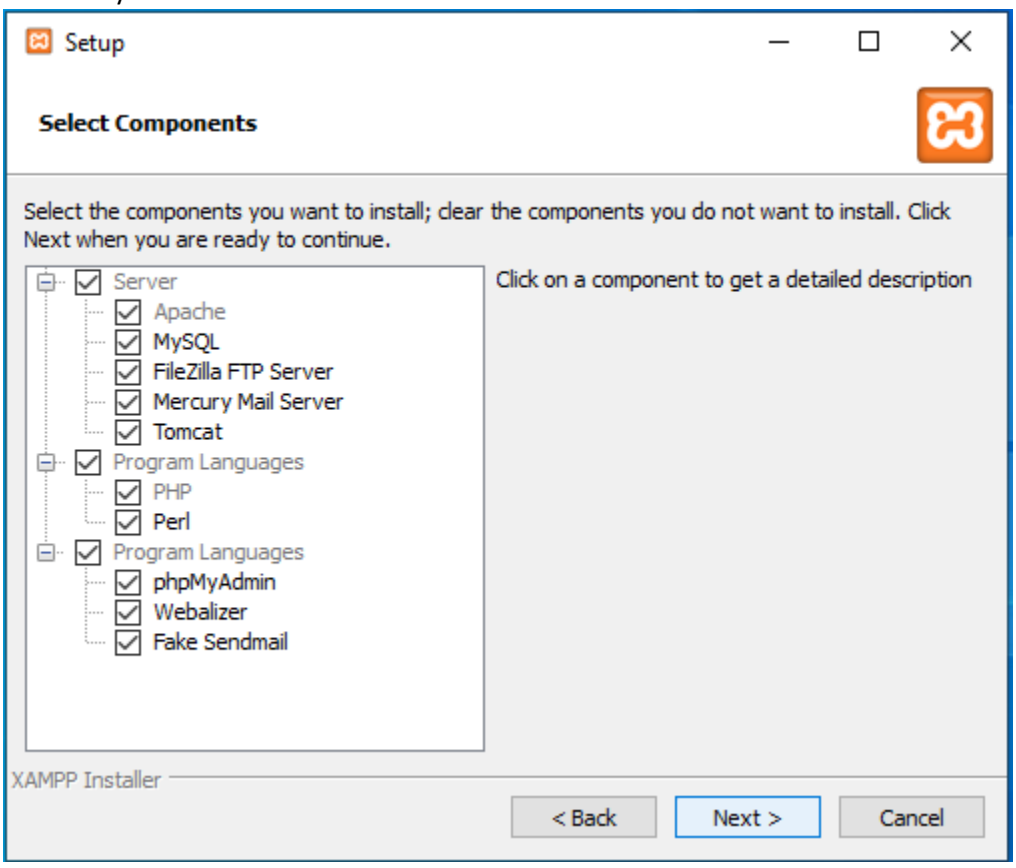
1. First, click the following link https://www.apachefriends.org/download.html add download XAMPP which is suitable for your device.
2. Now, double click on the downloaded file to run the installation.
3. Click the OK button on the warning to continue.



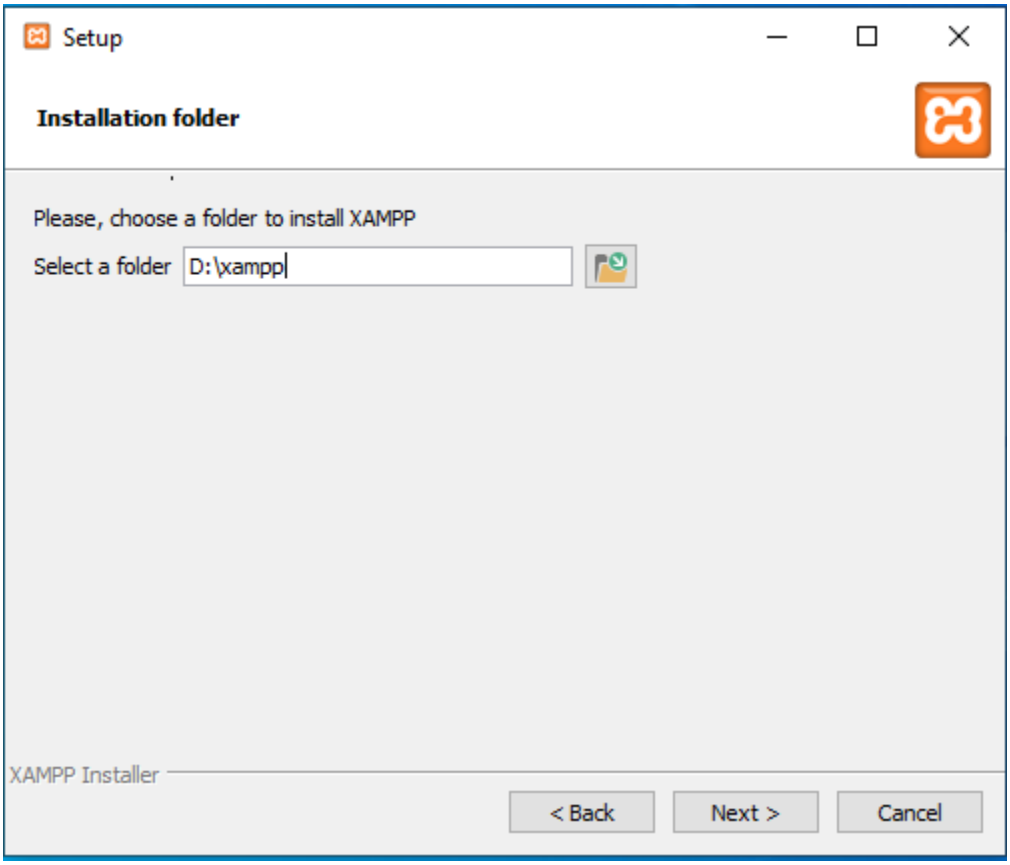
4. Click the Next button.



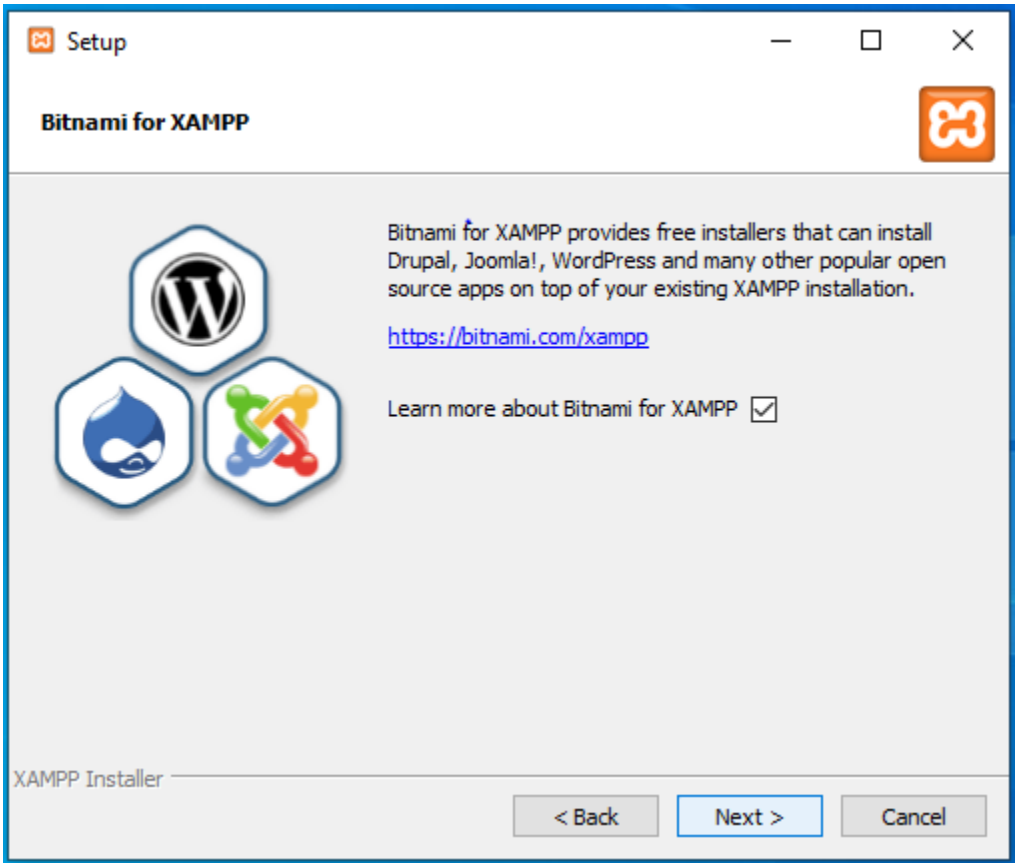
5. XAMPP offers a variety of services like Apache, MySQL, phpMyAdmin, and many more which are selected by default. It is recommended that you select everything as you will use all of them eventually and click Next.



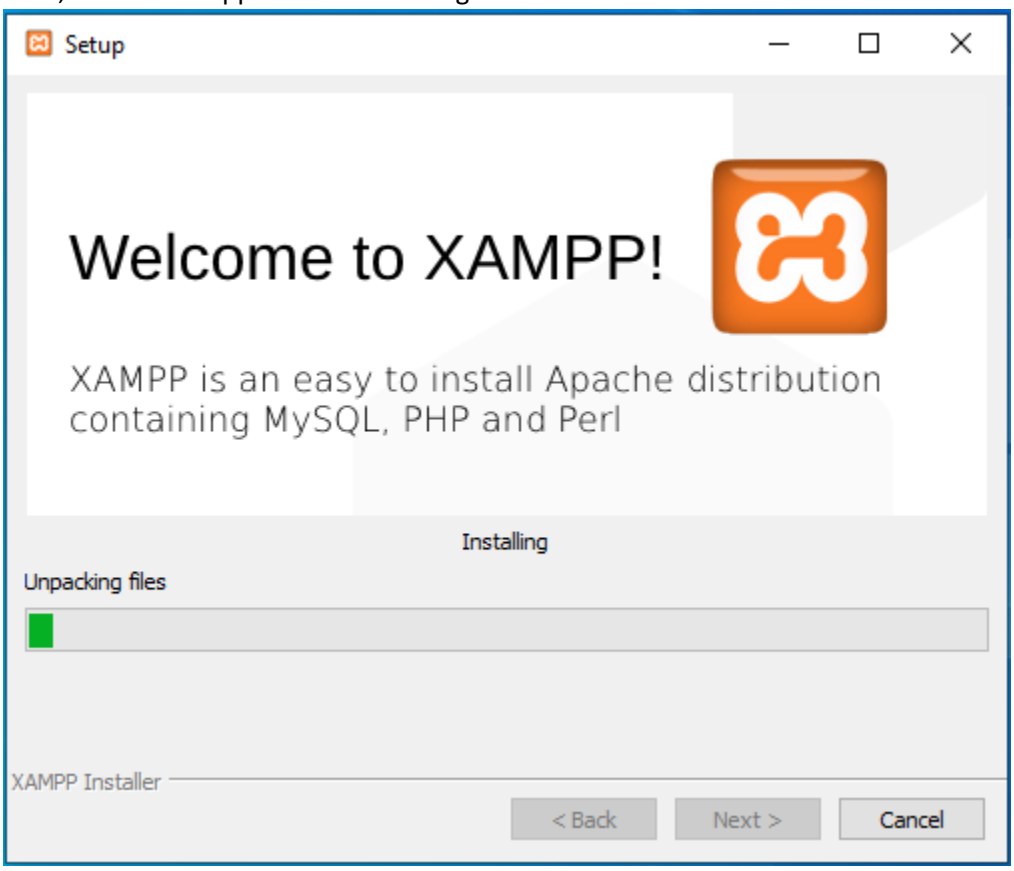
6. Now, select the location for the installation of the software. You can either choose the default location or choose it according to your own preference. After selecting the folder click Next.



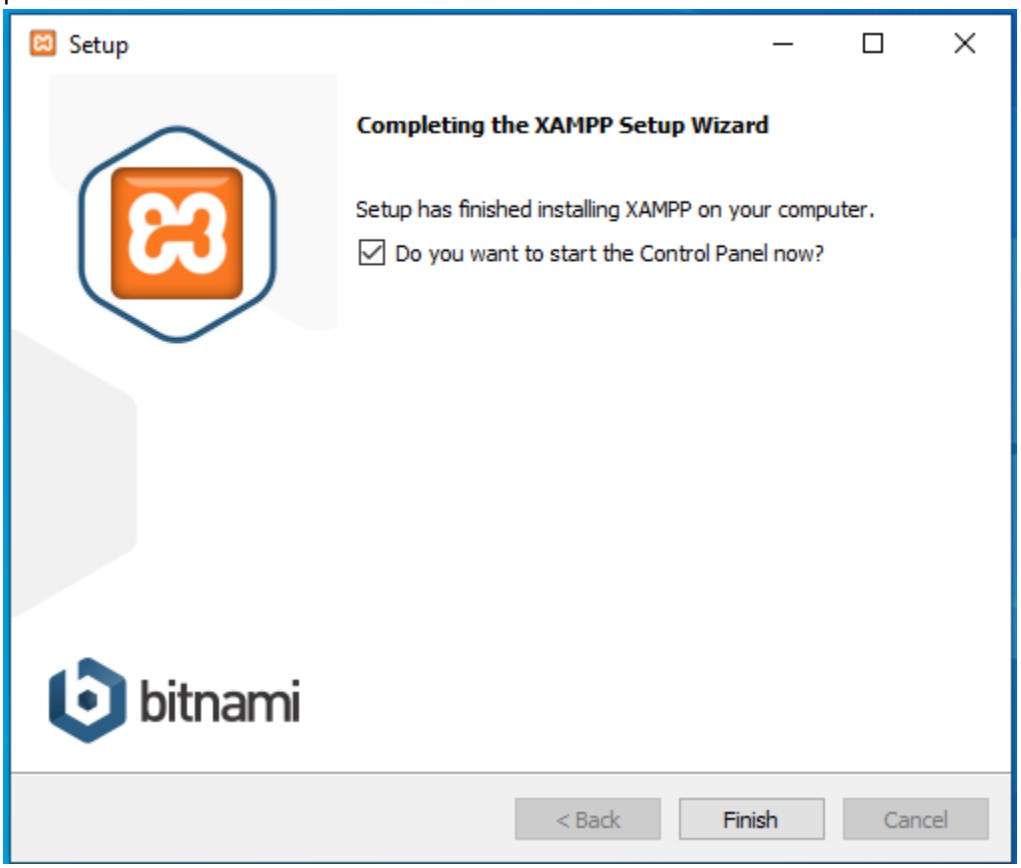
7. You will be asked if you want to learn more about bitnami which is a library of installers or software packages for web applications and solution stacks as well as virtual appliances. You can unclick the learn more checkbox and press Next.



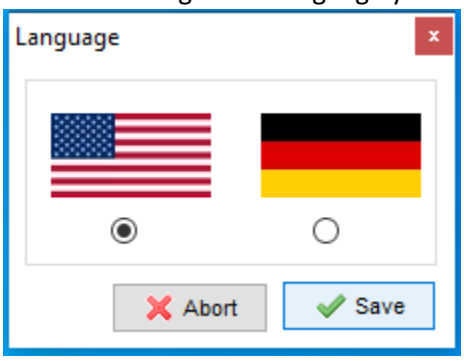
8. Now, wait for xampp to finish installing and click Next.



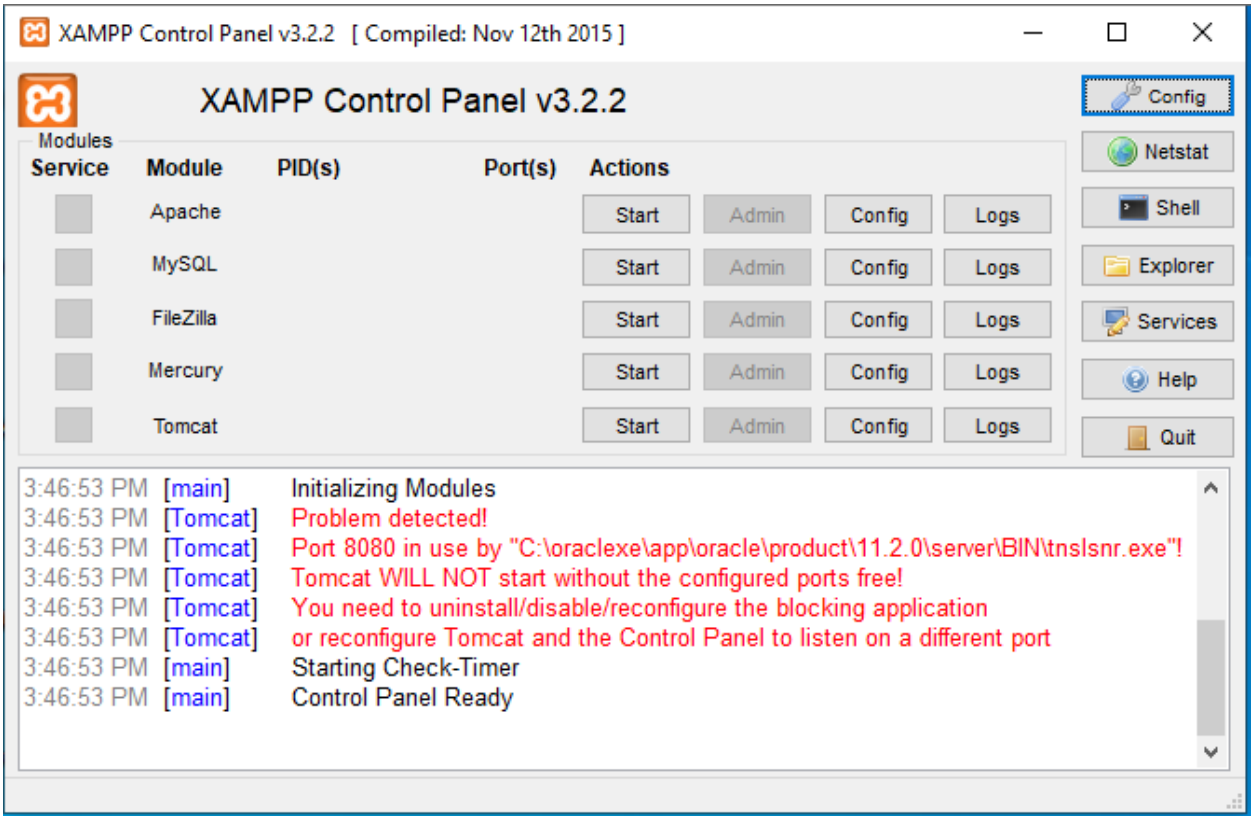
9. After the completion of installation XAMPP, it will ask you if you want to run the xampp control panel now. Leave the check box as it is and click on Finish.



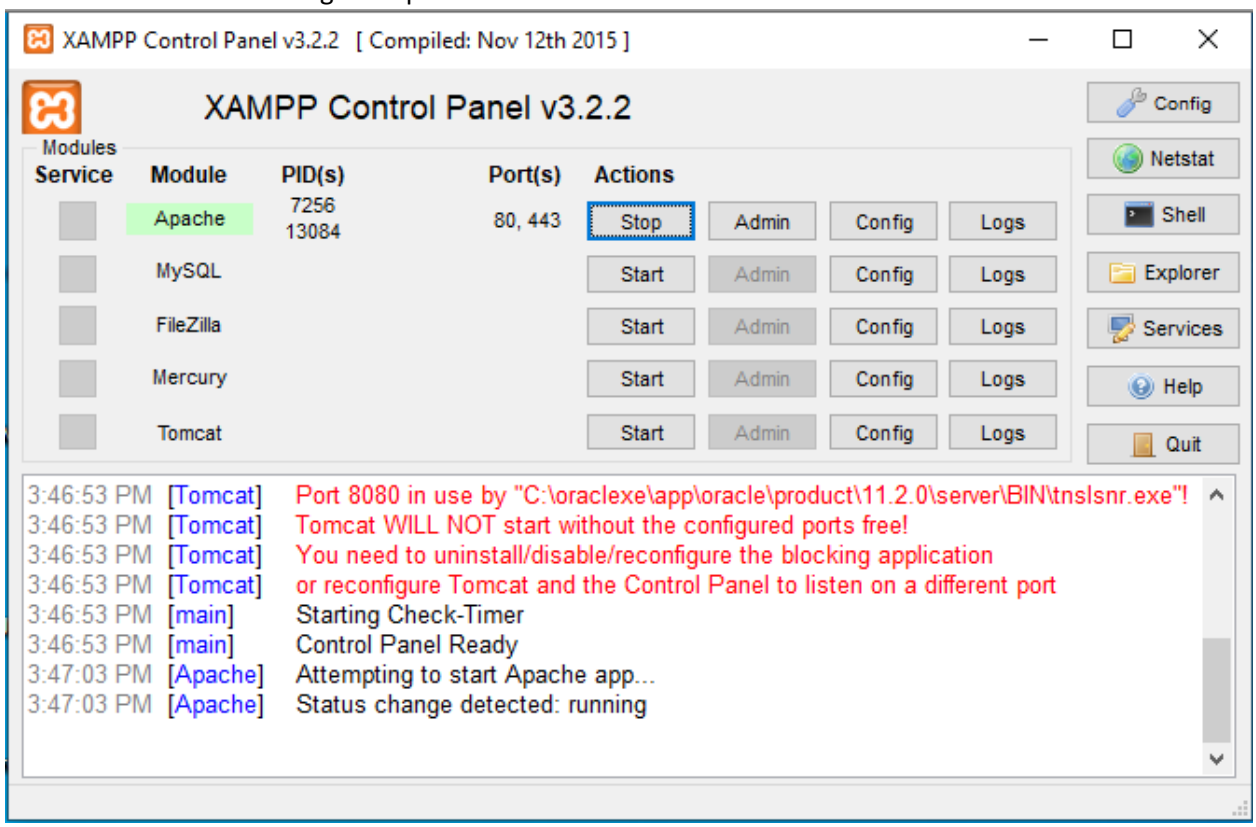
10. Click on the flag of the language you want to run. English is recommended and click on Save.



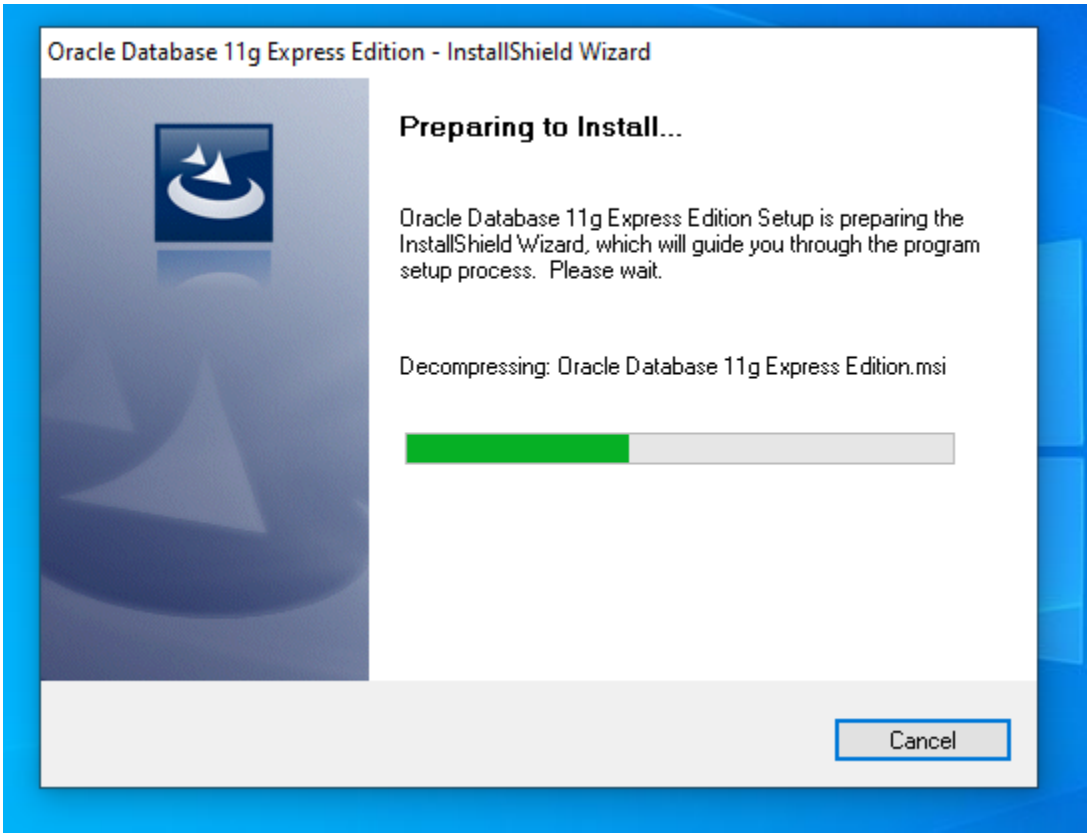
11. The Xampp control panel will start up if you had selected to start the control panel during step 9. You might receive an error telling you Tomcat will not start, but as we do not need tomcat it will not matter.



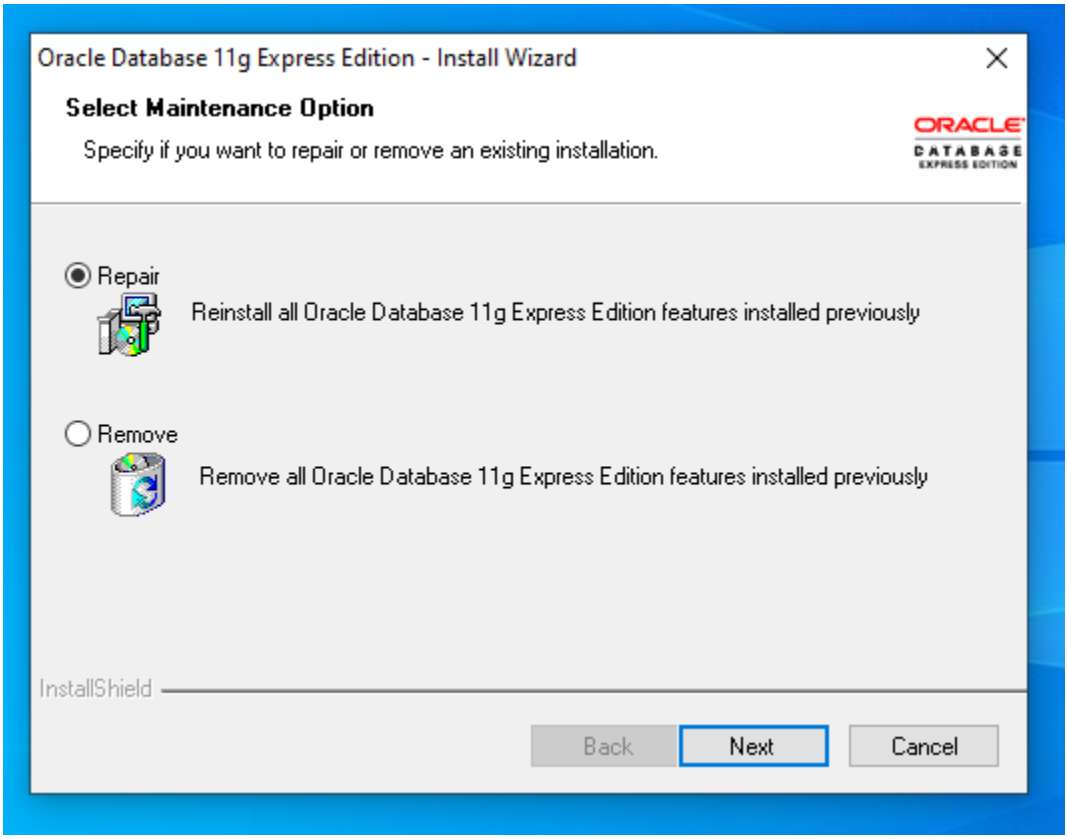
12. Click on the first Start alongside Apache to start the server.



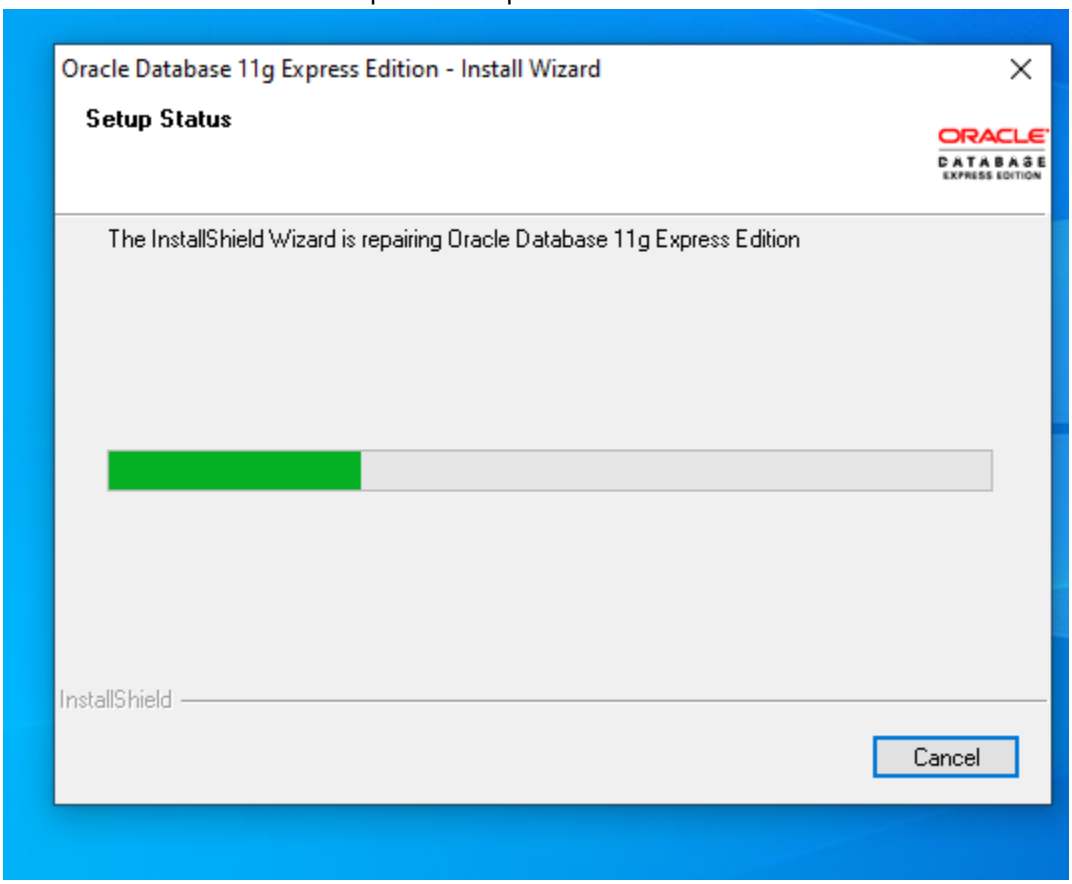
1. First download “Oracle Database Express Edition 11g” from https://www.oracle.com/database/technologies/appdev/xe.html.
2. After the download has finished double click on it to run the downloaded file.
3. A window will open showing the installation, wait until the installation is completed.



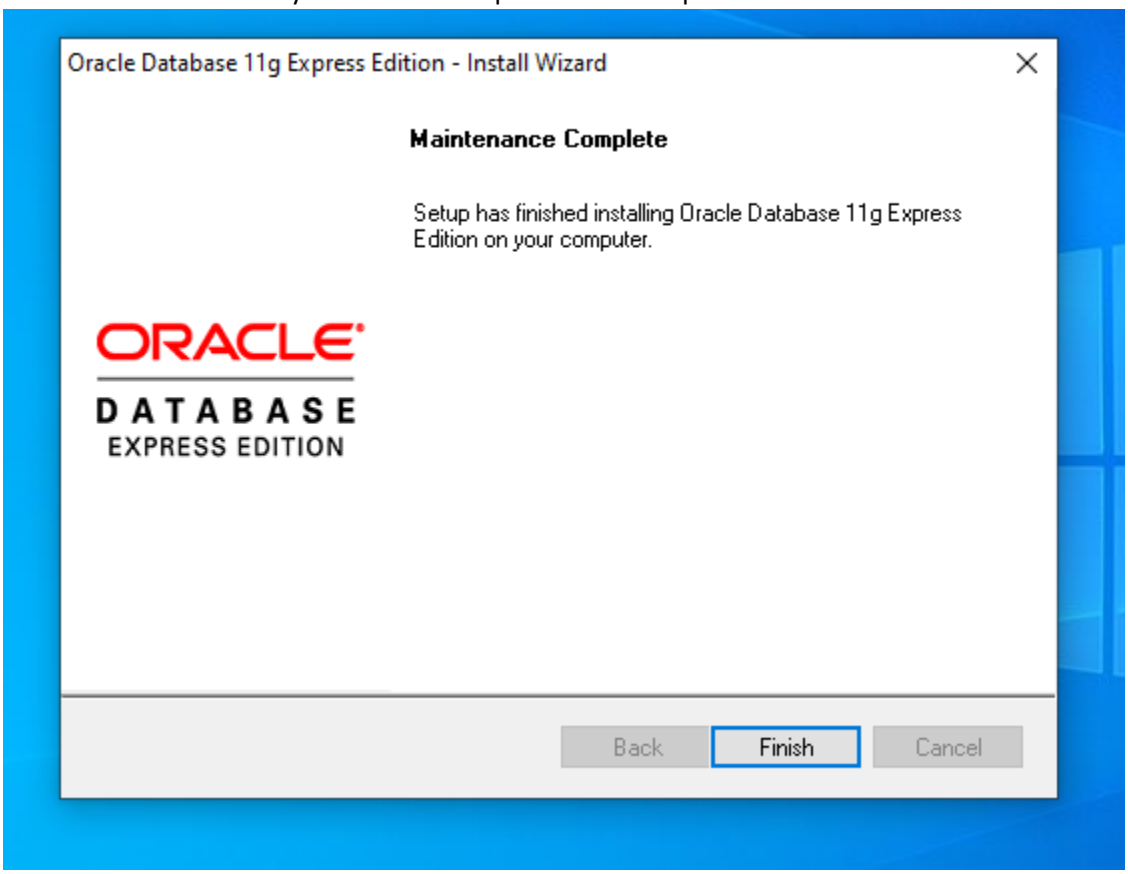
4. It will ask you if you want to repair or remove an existing installation if you already had it previously. Choose repair and click Next.



5. You will have to wait for the repair to complete.

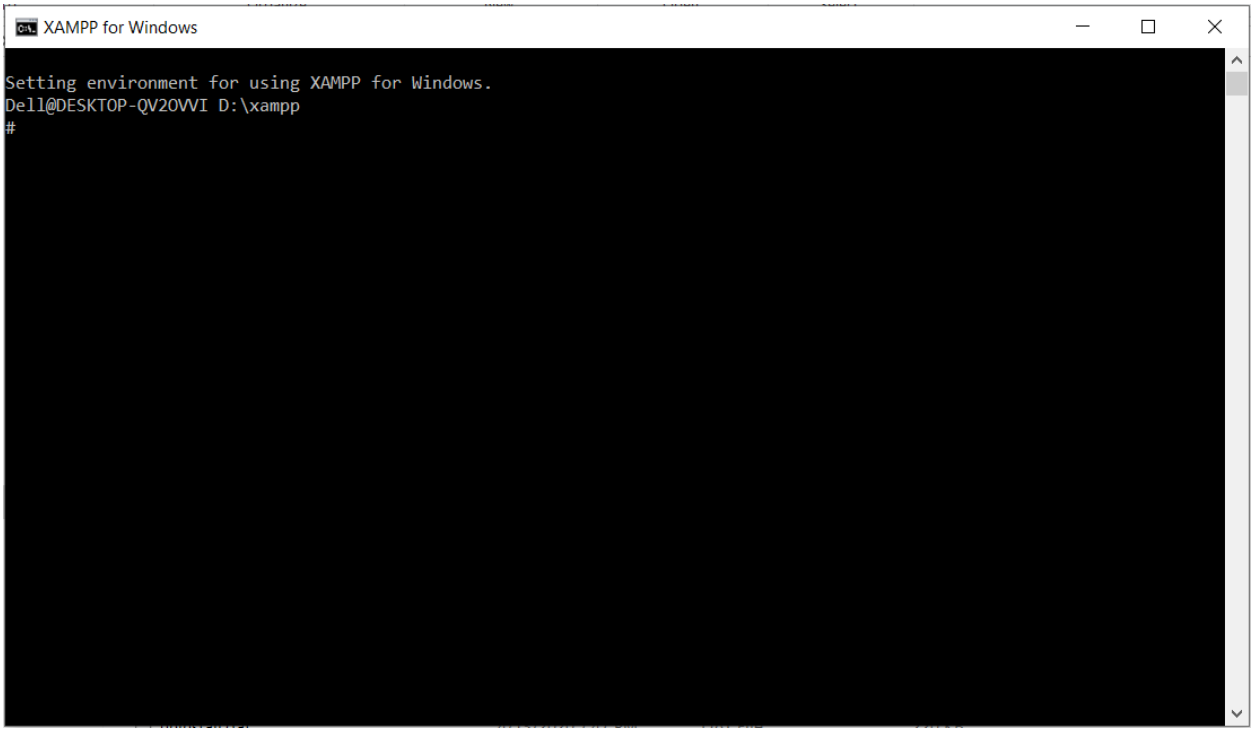


6. The window will inform you that the setup has been completed then click Finish.

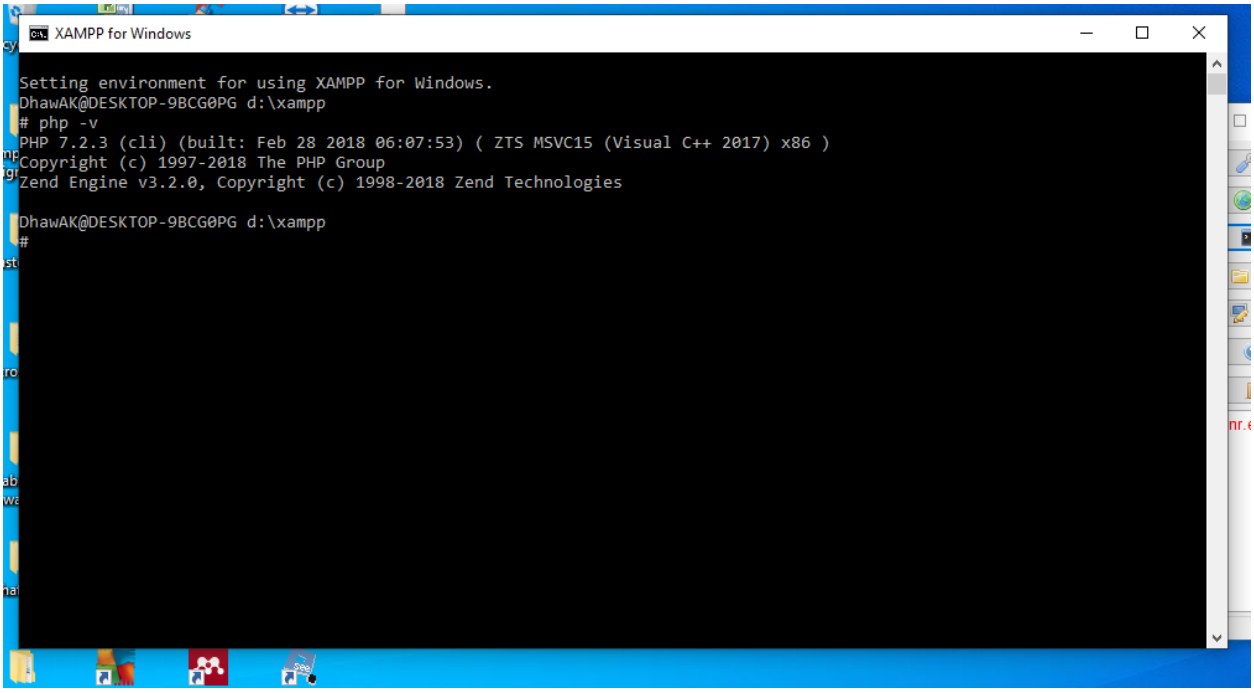


Oracle Database Update

1. In order to update oracle database to version 19.2 first we need to find the version number of our php, so go to the previously installed xampp folder and run ‘xampp shell’.



2. Type ‘php -v’ to find out the version of php you are using.



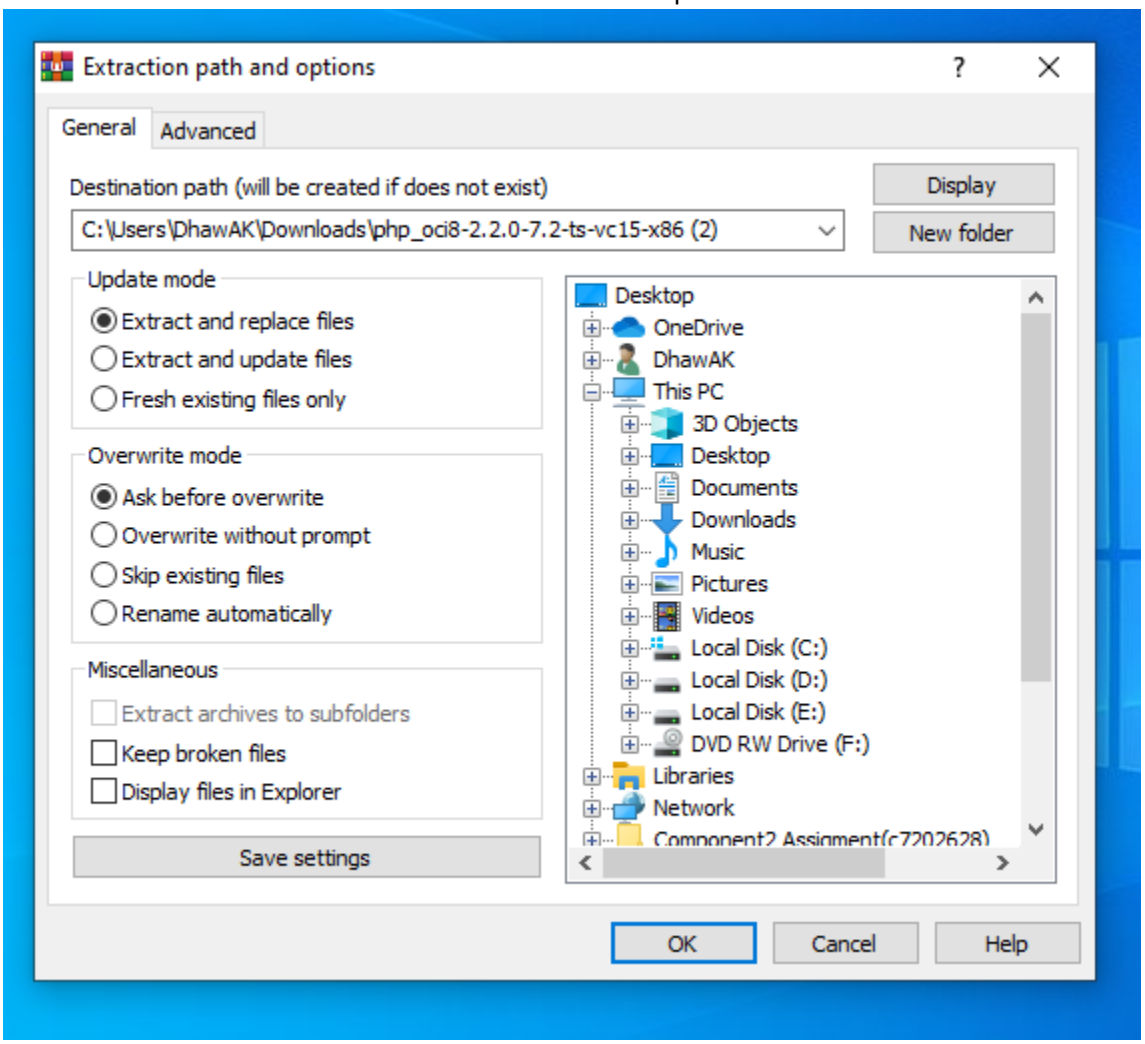
3. After finding out what version your php is go to the link https://pecl.php.net/package/oci8 and press the DLL link corresponding to the version of php you have. If your php version is greater than 7.1 select the DLL of version 2.2.0.

Available Releases				
Version	State	Release Date	Downloads	
2.2.0	stable	2018-12-10	oci8-2.2.0.tgz (191.8kB) DLL	[Changelog]
2.1.8	stable	2017-10-18	oci8-2.1.8.tgz (189.6kB) DLL	[Changelog]
2.1.7	stable	2017-08-15	oci8-2.1.7.tgz (189.4kB) DLL	[Changelog]
2.1.4	stable	2017-04-12	oci8-2.1.4.tgz (187.5kB) DLL	[Changelog]
2.1.3	stable	2016-11-11	oci8-2.1.3.tgz (187.4kB) DLL	[Changelog]
2.1.2	stable	2016-08-18	oci8-2.1.2.tgz (187.3kB) DLL	[Changelog]
2.0.12	stable	2016-08-18	oci8-2.0.12.tgz (187.5kB) DLL	[Changelog]
2.1.1	stable	2016-04-18	oci8-2.1.1.tgz (187.9kB) DLL	[Changelog]
2.0.11	stable	2016-04-18	oci8-2.0.11.tgz (187.5kB) DLL	[Changelog]
2.1.0	stable	2015-12-12	oci8-2.1.0.tgz (186.7kB) DLL	[Changelog]
2.0.10	stable	2015-12-12	oci8-2.0.10.tgz (186.9kB) DLL	[Changelog]
2.0.8	stable	2014-03-12	oci8-2.0.8.tgz (186.4kB) DLL	[Changelog]
2.0.7	stable	2014-02-10	oci8-2.0.7.tgz (186.3kB) DLL	[Changelog]
2.0.6	stable	2013-10-21	oci8-2.0.6.tgz (185.2kB) DLL	[Changelog]
2.0.5	stable	2013-10-20	oci8-2.0.5.tgz (183.8kB)	[Changelog]
2.0.4	devel	2013-09-27	oci8-2.0.4.tgz (183.4kB)	[Changelog]
2.0.3	devel	2013-09-27	oci8-2.0.3.tgz (183.3kB)	[Changelog]
2.0.2	devel	2013-09-06	oci8-2.0.2.tgz (182.9kB)	[Changelog]
2.0.1	devel	2013-09-03	oci8-2.0.1.tgz (182.7kB)	[Changelog]
2.0.0	devel	2013-07-24	oci8-2.0.0.tgz (183.1kB)	[Changelog]
1.4.10	stable	2013-07-08	oci8-1.4.10.tgz (165.3kB) DLL	[Changelog]
1.4.9	stable	2012-10-22	oci8-1.4.9.tgz (165.3kB)	[Changelog]

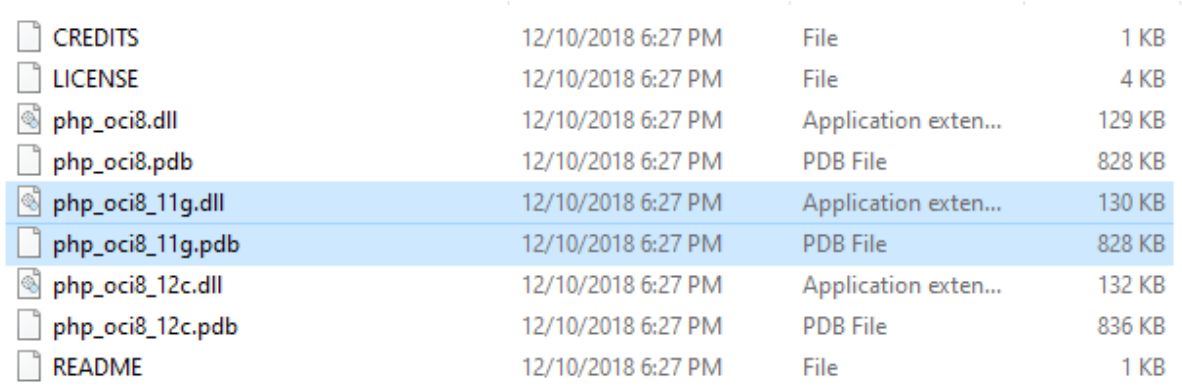
4. Now, you will see a page showing the package information and a DLL list for php versions 7.1. to 7.4. Select and download a thread-safe DLL suitable to the device you are using, in our case it would be 7.2 Thread Safe (TS) x64.

DLL List	
PHP 7.4	7.4 Non Thread Safe (NTS) x64 7.4 Thread Safe (TS) x64 7.4 Non Thread Safe (NTS) x86 7.4 Thread Safe (TS) x86
PHP 7.3	7.3 Non Thread Safe (NTS) x64 7.3 Thread Safe (TS) x64 7.3 Non Thread Safe (NTS) x86 7.3 Thread Safe (TS) x86
PHP 7.2	7.2 Non Thread Safe (NTS) x64 7.2 Thread Safe (TS) x64 7.2 Non Thread Safe (NTS) x86 7.2 Thread Safe (TS) x86
PHP 7.1	7.1 Non Thread Safe (NTS) x64 7.1 Thread Safe (TS) x64 7.1 Non Thread Safe (NTS) x86 7.1 Thread Safe (TS) x86

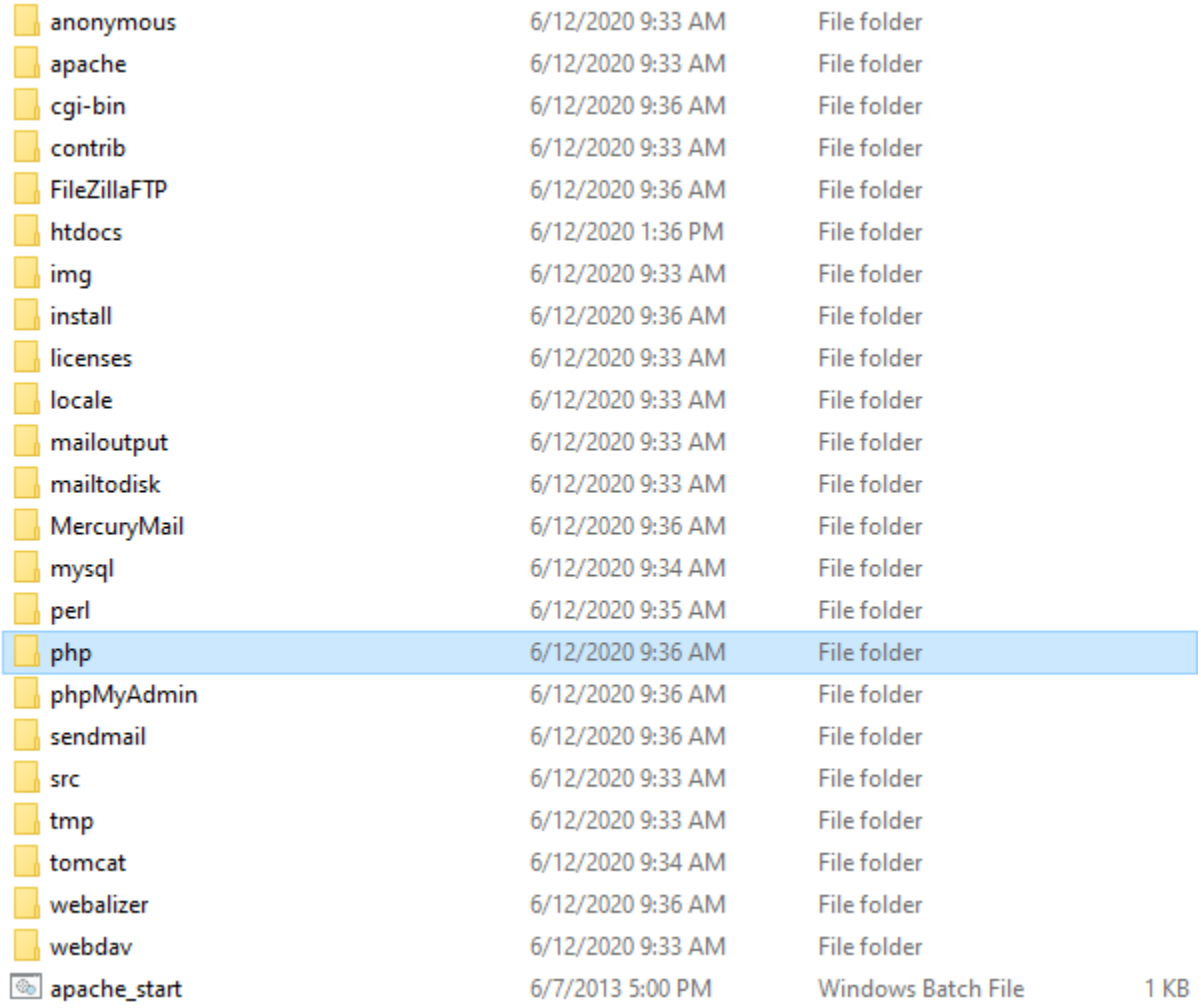
5. Extract the downloaded files to a suitable location and open it.



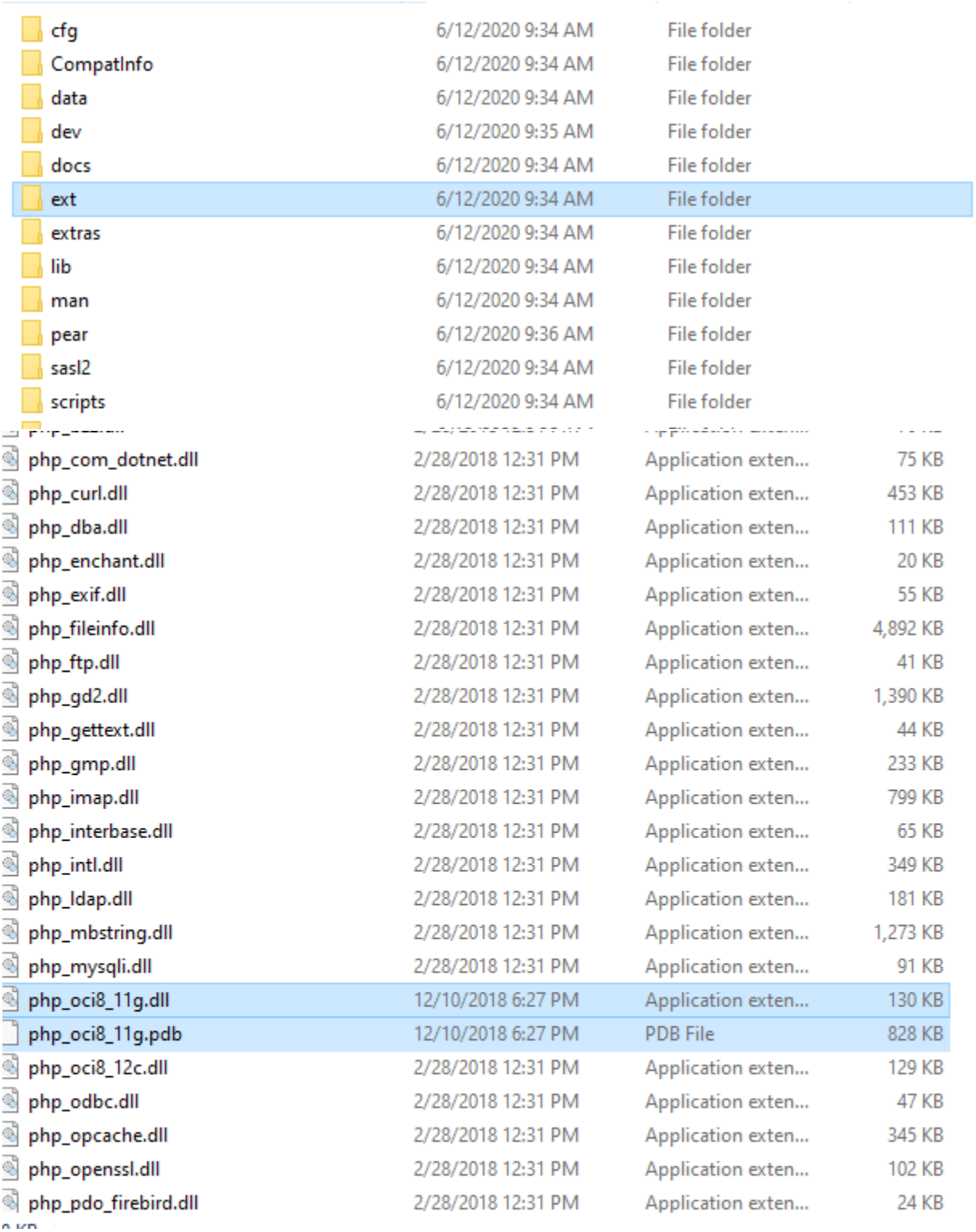
6. Select and copy 2 files from the extracted folder which are php_oci_11g.dll and php_oci_11g.pdb.



7. After copying the files paste them in the folder xampp -> php -> ext.

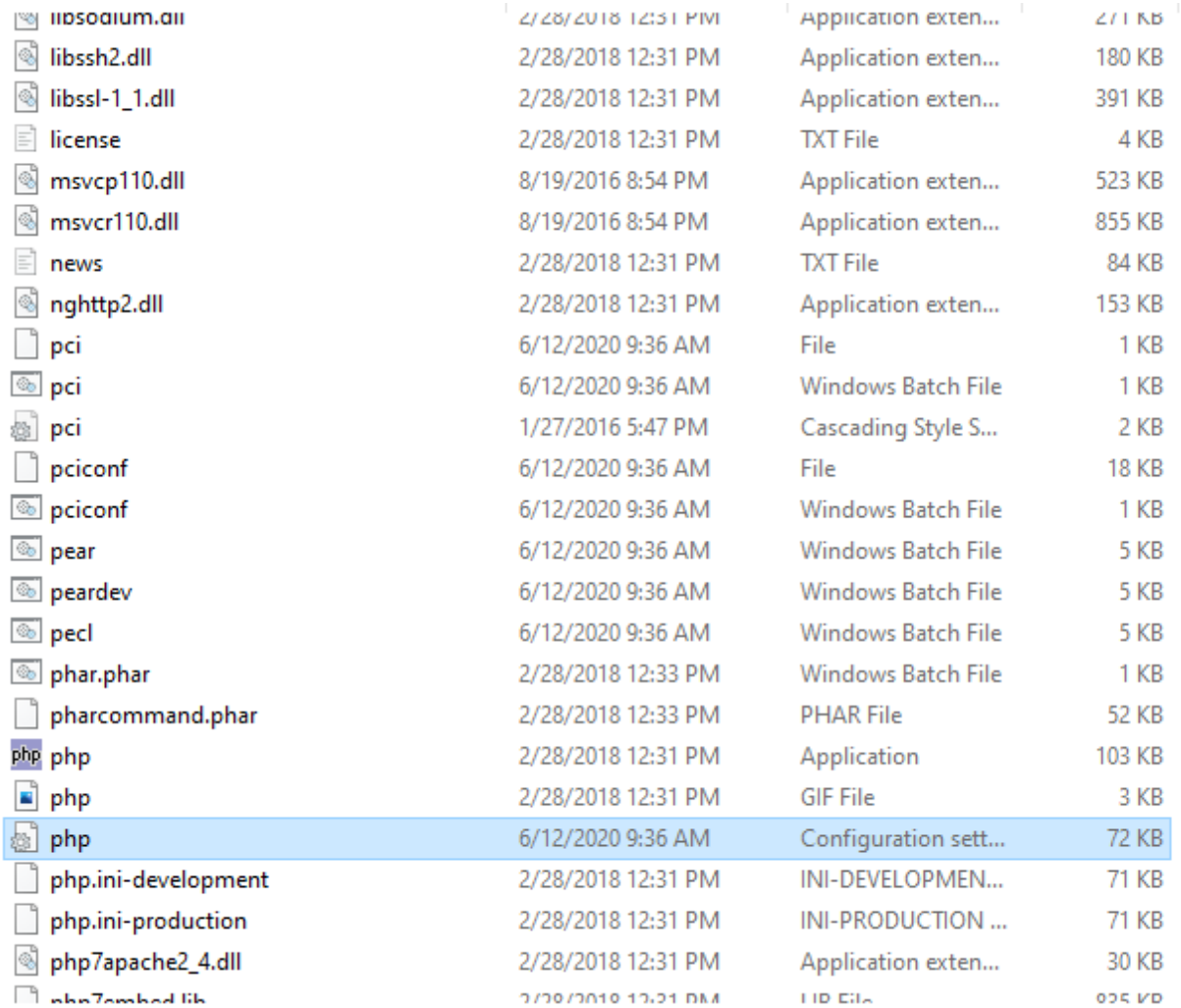


anonymous	6/12/2020 9:33 AM	File folder	
apache	6/12/2020 9:33 AM	File folder	
cgi-bin	6/12/2020 9:36 AM	File folder	
contrib	6/12/2020 9:33 AM	File folder	
FileZillaFTP	6/12/2020 9:36 AM	File folder	
htdocs	6/12/2020 1:36 PM	File folder	
img	6/12/2020 9:33 AM	File folder	
install	6/12/2020 9:36 AM	File folder	
licenses	6/12/2020 9:33 AM	File folder	
locale	6/12/2020 9:33 AM	File folder	
mailoutput	6/12/2020 9:33 AM	File folder	
mailtodisk	6/12/2020 9:33 AM	File folder	
MercuryMail	6/12/2020 9:36 AM	File folder	
mysql	6/12/2020 9:34 AM	File folder	
perl	6/12/2020 9:35 AM	File folder	
php	6/12/2020 9:36 AM	File folder	
phpMyAdmin	6/12/2020 9:36 AM	File folder	
sendmail	6/12/2020 9:36 AM	File folder	
src	6/12/2020 9:33 AM	File folder	
tmp	6/12/2020 9:33 AM	File folder	
tomcat	6/12/2020 9:34 AM	File folder	
webalizer	6/12/2020 9:36 AM	File folder	
webdav	6/12/2020 9:33 AM	File folder	
apache_start	6/7/2013 5:00 PM	Windows Batch File	1 KB



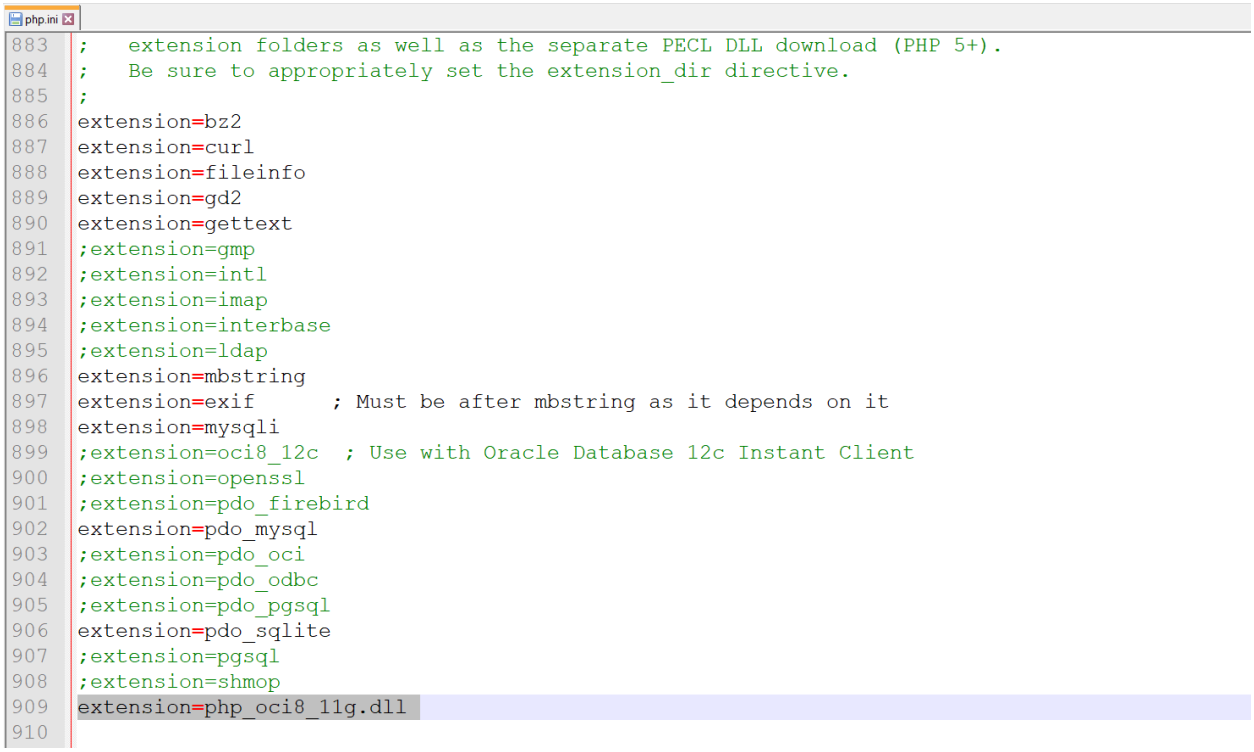
cfg	6/12/2020 9:34 AM	File folder	
CompatInfo	6/12/2020 9:34 AM	File folder	
data	6/12/2020 9:34 AM	File folder	
dev	6/12/2020 9:35 AM	File folder	
docs	6/12/2020 9:34 AM	File folder	
ext	6/12/2020 9:34 AM	File folder	
extras	6/12/2020 9:34 AM	File folder	
lib	6/12/2020 9:34 AM	File folder	
man	6/12/2020 9:34 AM	File folder	
pear	6/12/2020 9:36 AM	File folder	
sasl2	6/12/2020 9:34 AM	File folder	
scripts	6/12/2020 9:34 AM	File folder	
php_com_dotnet.dll	2/28/2018 12:31 PM	Application exten...	75 KB
php_curl.dll	2/28/2018 12:31 PM	Application exten...	453 KB
php_dba.dll	2/28/2018 12:31 PM	Application exten...	111 KB
php_enchant.dll	2/28/2018 12:31 PM	Application exten...	20 KB
php_exif.dll	2/28/2018 12:31 PM	Application exten...	55 KB
php_fileinfo.dll	2/28/2018 12:31 PM	Application exten...	4,892 KB
php_ftp.dll	2/28/2018 12:31 PM	Application exten...	41 KB
php_gd2.dll	2/28/2018 12:31 PM	Application exten...	1,390 KB
php_gettext.dll	2/28/2018 12:31 PM	Application exten...	44 KB
php_gmp.dll	2/28/2018 12:31 PM	Application exten...	233 KB
php_imap.dll	2/28/2018 12:31 PM	Application exten...	799 KB
php_interbase.dll	2/28/2018 12:31 PM	Application exten...	65 KB
php_intl.dll	2/28/2018 12:31 PM	Application exten...	349 KB
php_ldap.dll	2/28/2018 12:31 PM	Application exten...	181 KB
php_mbstring.dll	2/28/2018 12:31 PM	Application exten...	1,273 KB
php_mysqli.dll	2/28/2018 12:31 PM	Application exten...	91 KB
php_oci8_11g.dll	12/10/2018 6:27 PM	Application exten...	130 KB
php_oci8_11g.pdb	12/10/2018 6:27 PM	PDB File	828 KB
php_oci8_12c.dll	2/28/2018 12:31 PM	Application exten...	129 KB
php_odbc.dll	2/28/2018 12:31 PM	Application exten...	47 KB
php_opcache.dll	2/28/2018 12:31 PM	Application exten...	345 KB
php_openssl.dll	2/28/2018 12:31 PM	Application exten...	102 KB
php_pdo_firebird.dll	2/28/2018 12:31 PM	Application exten...	24 KB

8. Go to the php folder in xampp and within the folder open the php.ini file (preferably open with notepad++).

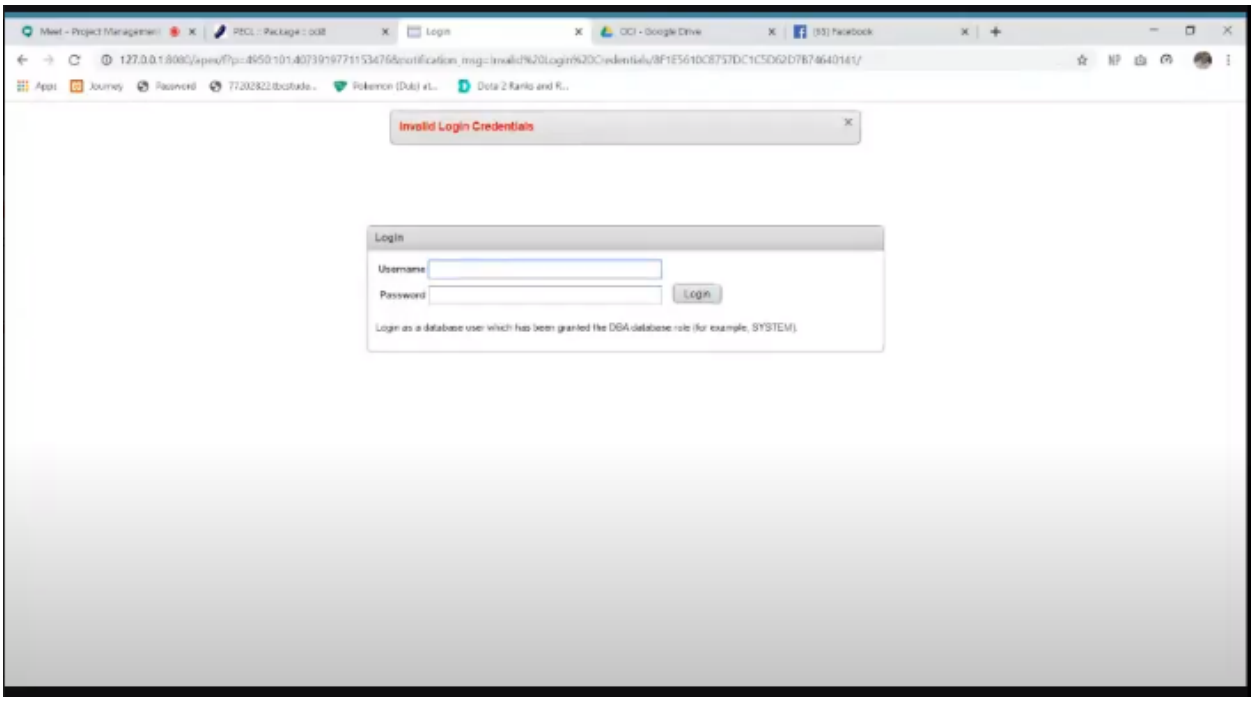


libsodium.dll	2/28/2018 12:31 PM	Application exten...	271 KB
libssh2.dll	2/28/2018 12:31 PM	Application exten...	180 KB
libssl-1_1.dll	2/28/2018 12:31 PM	Application exten...	391 KB
license	2/28/2018 12:31 PM	TXT File	4 KB
msvcp110.dll	8/19/2016 8:54 PM	Application exten...	523 KB
msvcr110.dll	8/19/2016 8:54 PM	Application exten...	855 KB
news	2/28/2018 12:31 PM	TXT File	84 KB
nghttp2.dll	2/28/2018 12:31 PM	Application exten...	153 KB
pci	6/12/2020 9:36 AM	File	1 KB
pci	6/12/2020 9:36 AM	Windows Batch File	1 KB
pci	1/27/2016 5:47 PM	Cascading Style S...	2 KB
pciconf	6/12/2020 9:36 AM	File	18 KB
pciconf	6/12/2020 9:36 AM	Windows Batch File	1 KB
pear	6/12/2020 9:36 AM	Windows Batch File	5 KB
peardev	6/12/2020 9:36 AM	Windows Batch File	5 KB
pecl	6/12/2020 9:36 AM	Windows Batch File	5 KB
phar.phar	2/28/2018 12:33 PM	Windows Batch File	1 KB
pharcommand.phar	2/28/2018 12:33 PM	PHAR File	52 KB
php	2/28/2018 12:31 PM	Application	103 KB
php	2/28/2018 12:31 PM	GIF File	3 KB
php	6/12/2020 9:36 AM	Configuration sett...	72 KB
php.ini-development	2/28/2018 12:31 PM	INI-DEVELOPMEN...	71 KB
php.ini-production	2/28/2018 12:31 PM	INI-PRODUCTION ...	71 KB
php7apache2_4.dll	2/28/2018 12:31 PM	Application exten...	30 KB
php7embed.lib	2/28/2018 12:31 PM	LIB File	835 KB

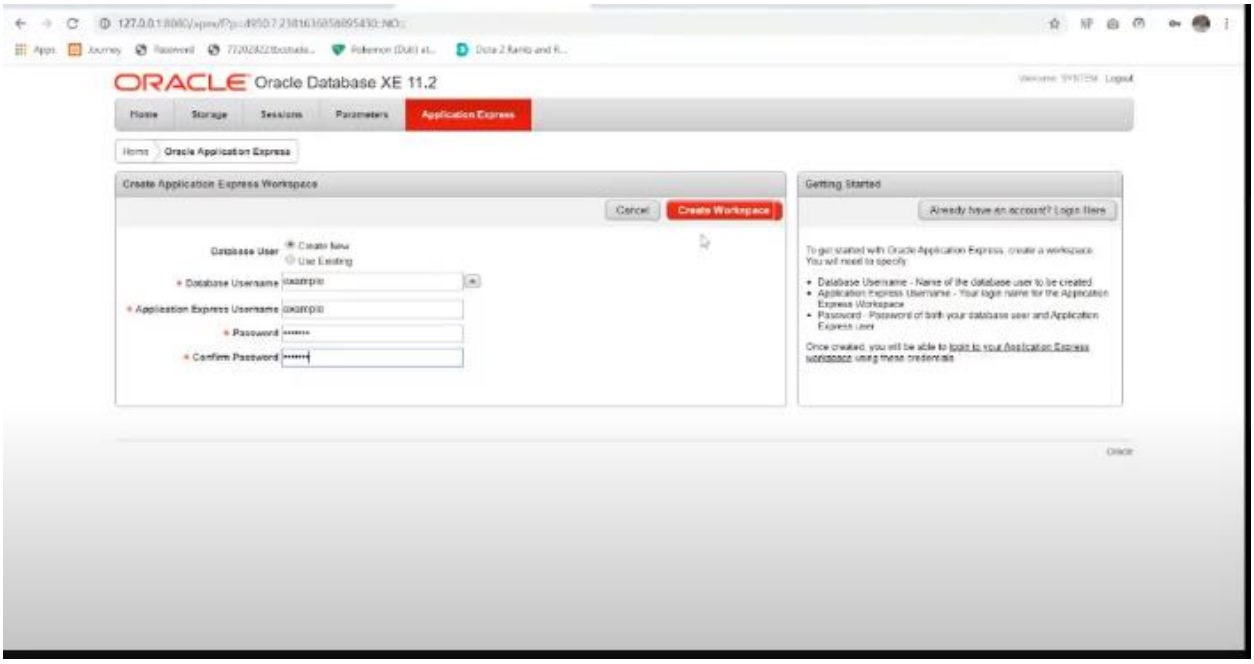
9. Within the file around the line 900 you will see a bunch of extensions, at the bottom of the list type in extension=php_oci8_11g.dll.



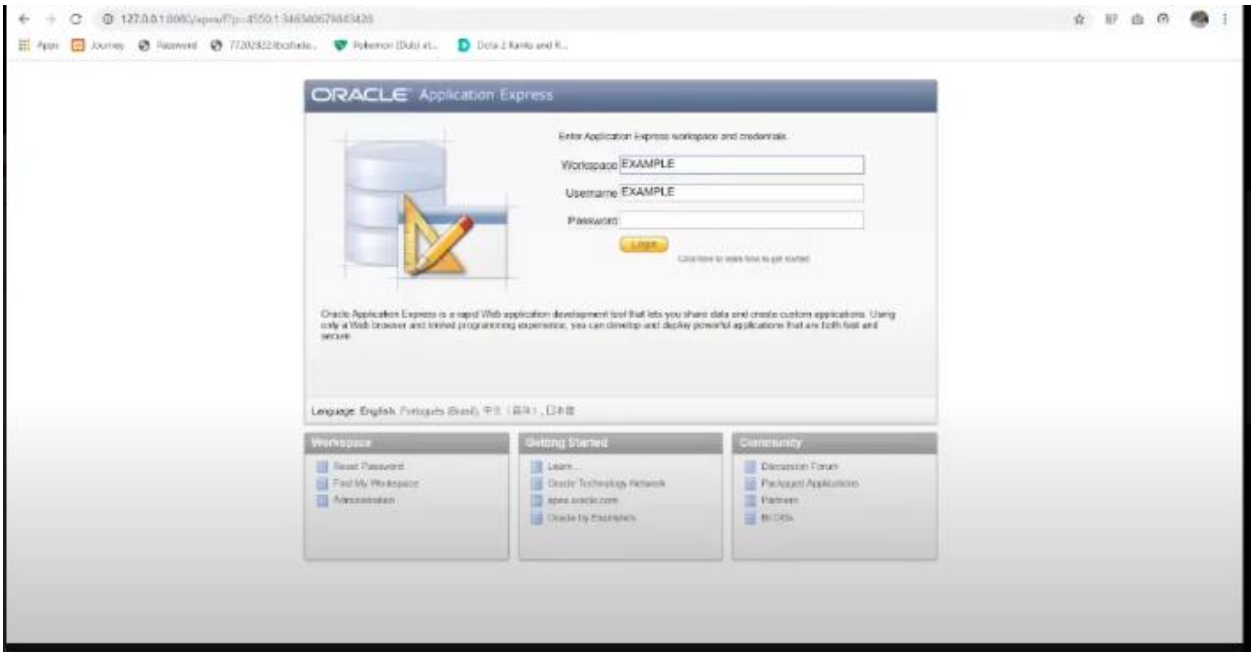
10.After dll extension was added an oracle application which we have installed was opened and it was login by providing username and password used during application installation.



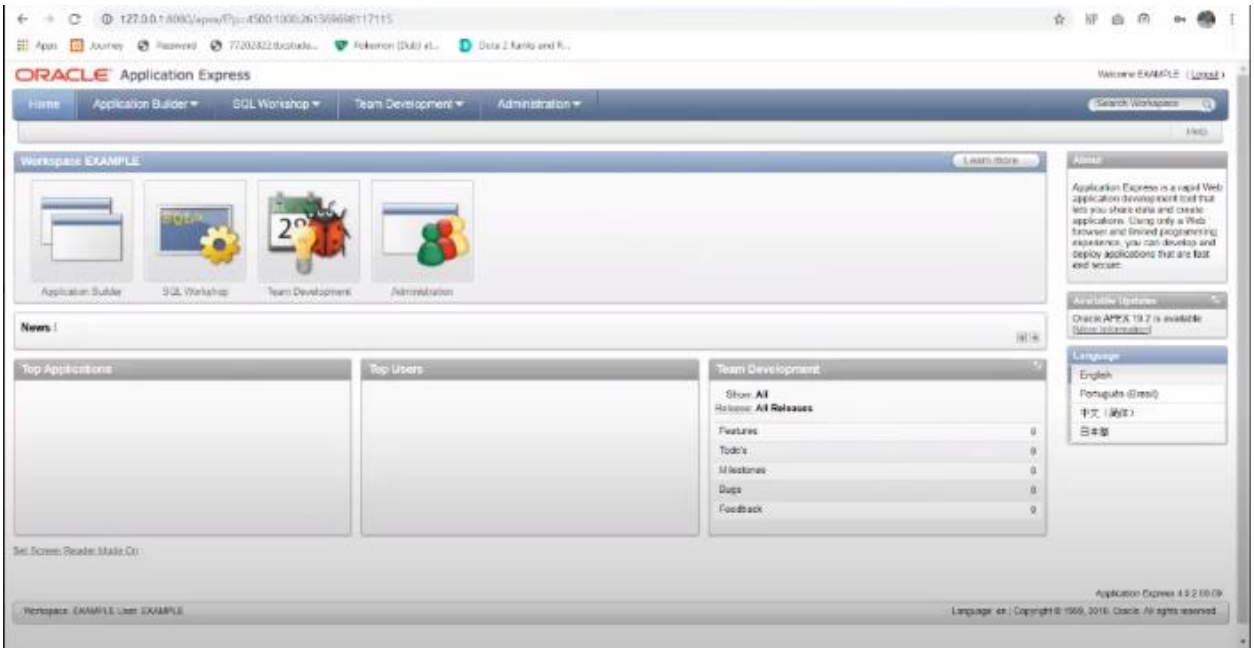
11.After it is login workspace was created which should be communicated by our php code with providing username and password.



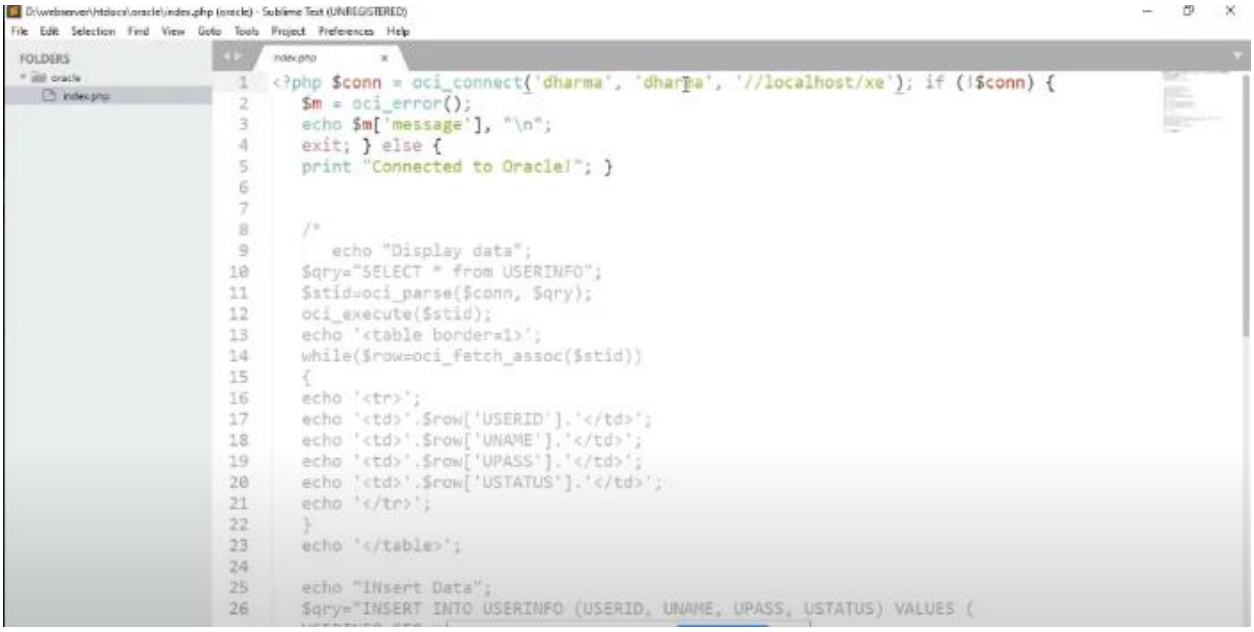
12.After workspace is created we can sign in and open the old version of oracle with username and password which we created to make workspace



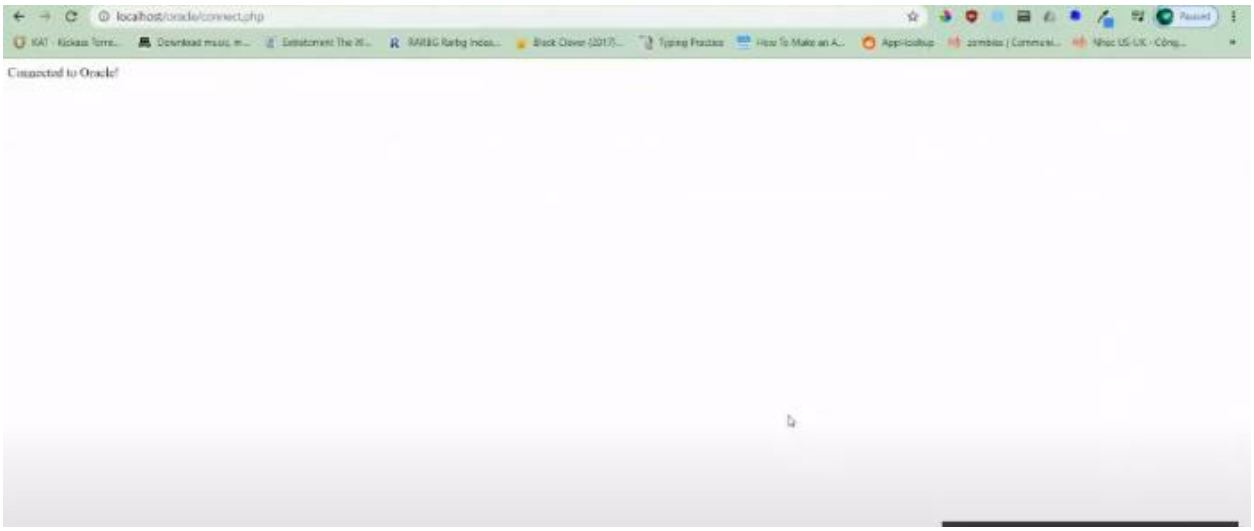
13.our application express will look this way before updating



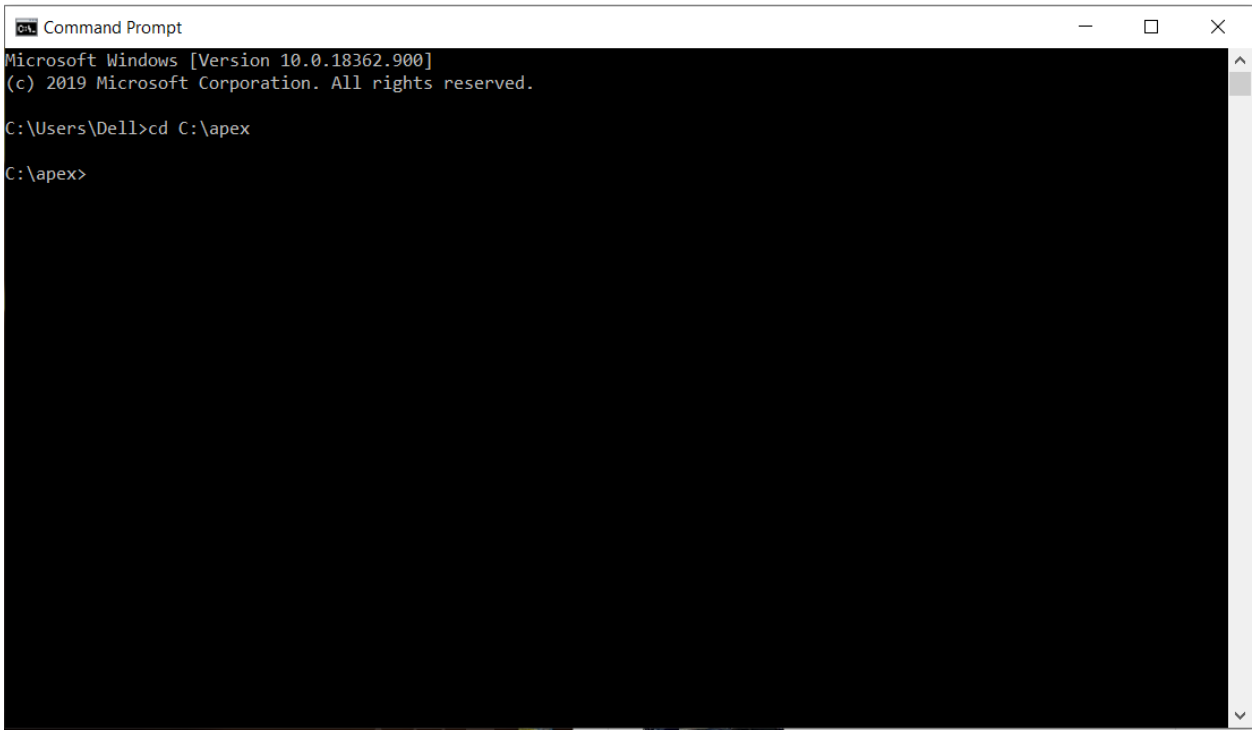
14.After this from files provided in our drive connect.php was downloaded and saved in a folder in htdocs and was edited with workspace name and password provided in oracle in oci_connect in line 1.



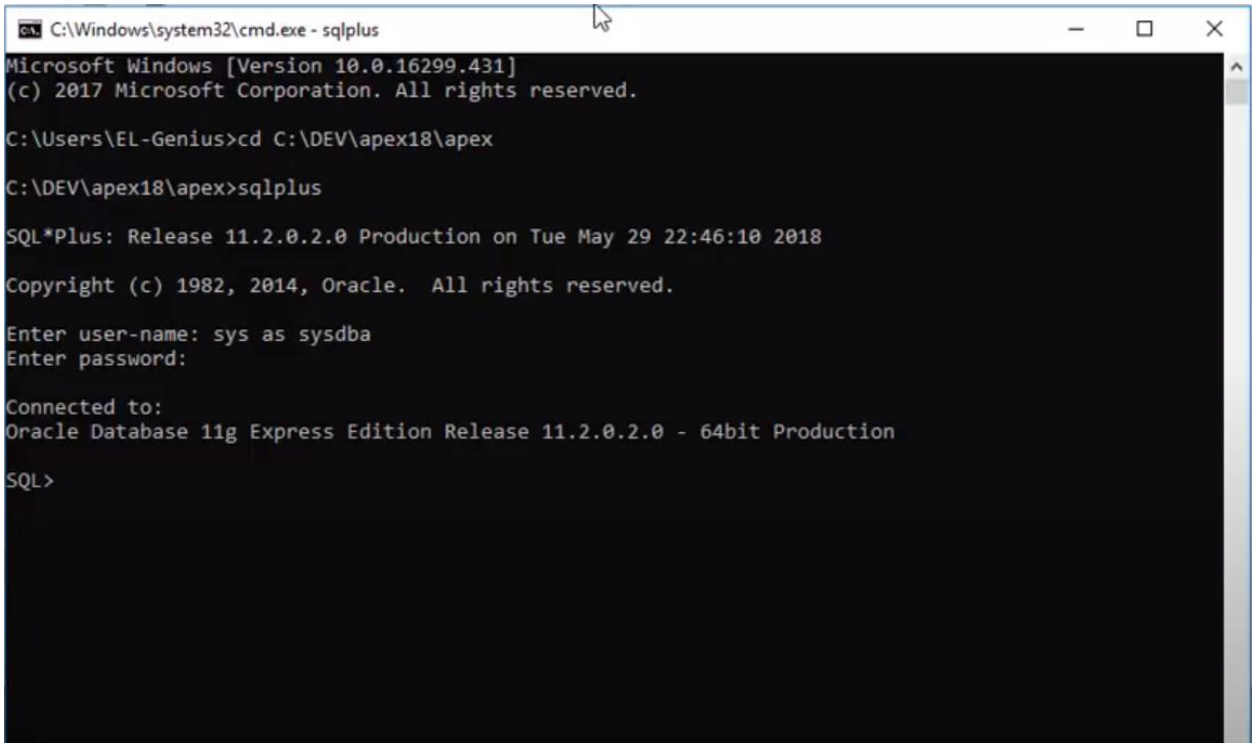
15.After editing connect.php it was run in localhost and connected to oracle msg was observed on screen.



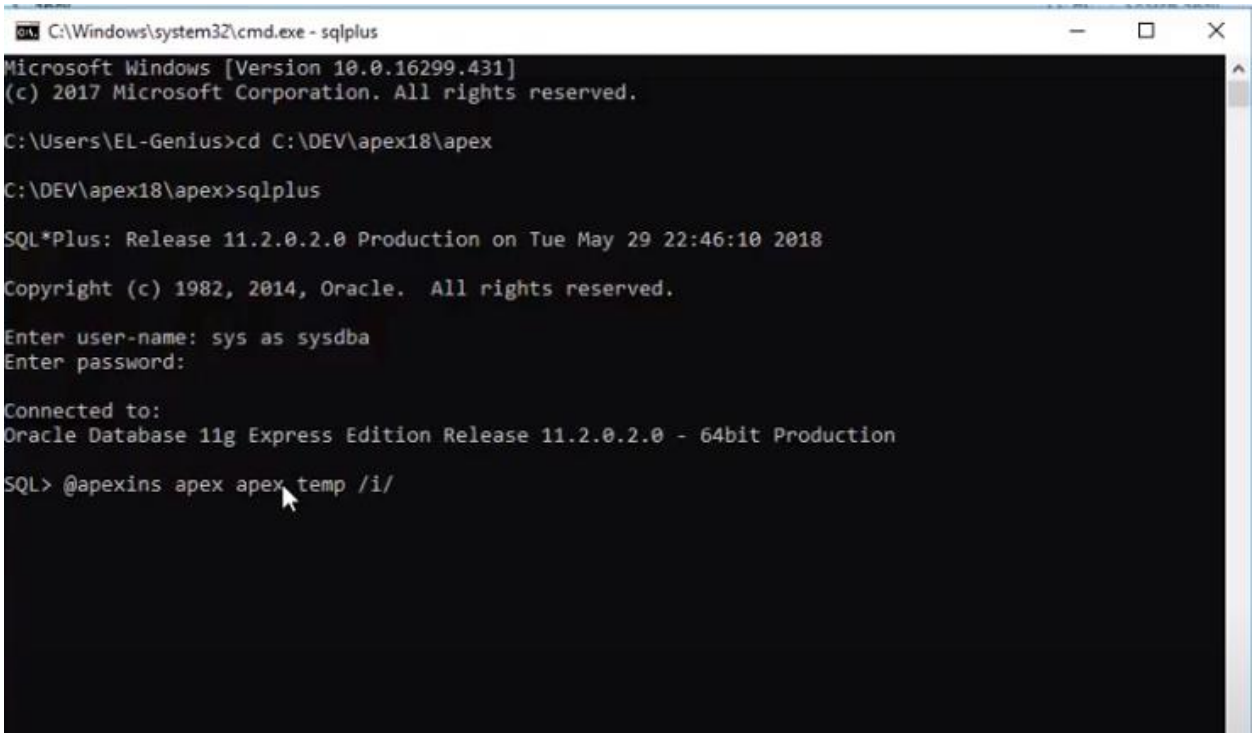
16.Now, go to https://www.oracle.com/tools/downloads/apex-192-downloads.html and download oracle APEX 19.2.
17.After the download has been completed extract the apex folder to the C drive.
18.Open command prompt and change the directory to the recently extracted apex folder.



19.Type in and enter ‘sqlplus /nolog’, then type ‘CONNECT SYS as SYSDBA’ and enter your password to connect into the database.

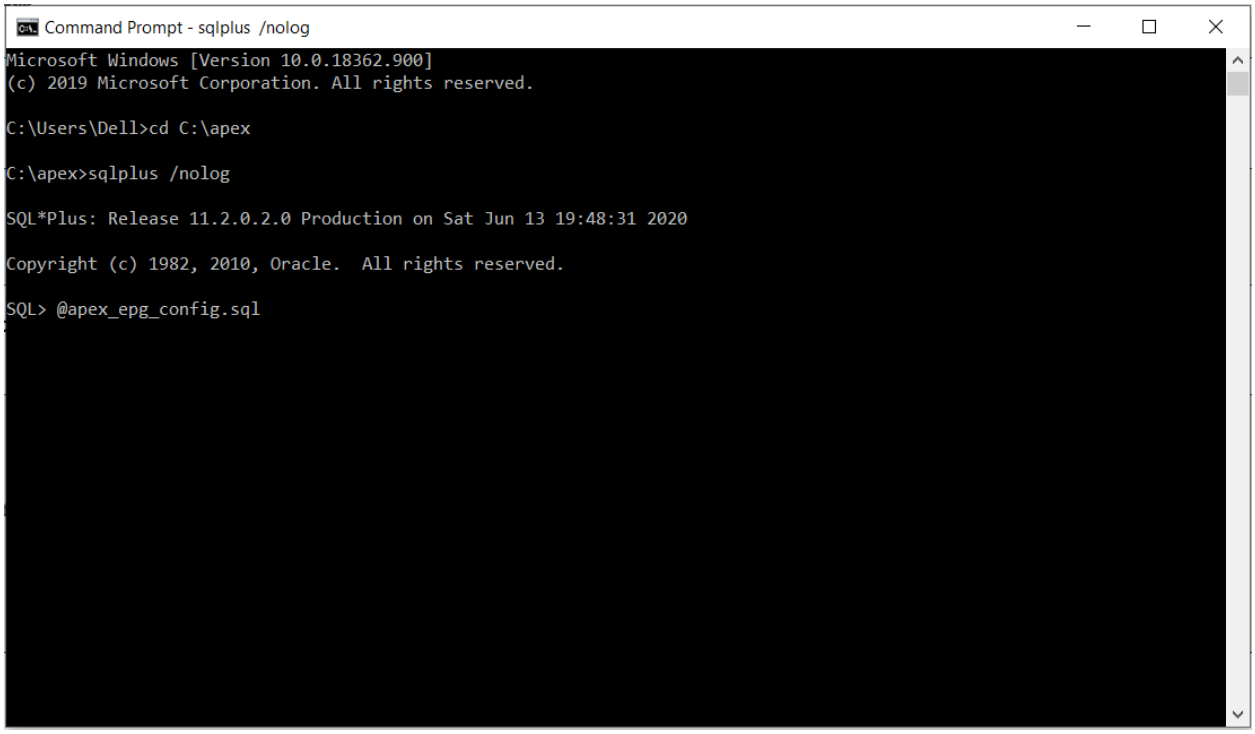
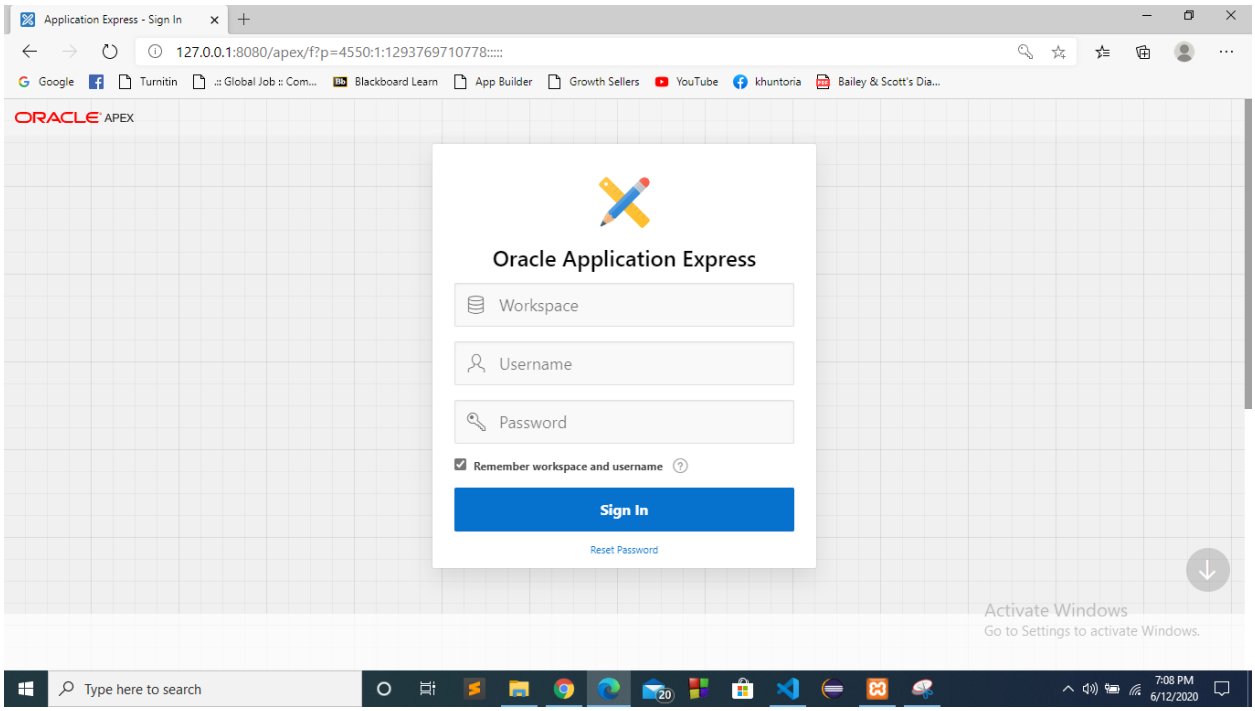


20.Now, enter ‘@apexins SYSAUX SYSAUX TEMP /i/’ to install application expressions. This process will take a few minutes.



21.After the installation has been completed repeat step 13.

22.Type '@apex_epg_config.sql C:\' to configure the Embedded PL/SQL Gateway (EPG). This process will also take some time.



23.If you did everything right the upgrade should have happened and you will receive the following page when you go to http://127.0.0.1:8080/apex/ or double click on the previously installed oracle database.