* Download sql server driver for php for php version 7.2.x from [this link](https://github.com/Microsoft/msphpsql/releases) (7.3 available up to time of writing this document)
* Check php architecture (x86 or 64 bit) via phpinfo()
* Extract the zip file
* Check if php Thread Safety is enabled
* if thread safe = yes and architecture = x86 copy the ts files and paste to xampp\php\ext folder
* open sql server config manager
* open sql server network configuration -> protocols for sql\_version (i.e. sqlexpress)
* click tcp/ip
* if disabled enable it
* click ip addresses tab
* scroll down and select “IPALL”
* change port number to 1433

Login using user “sa”

Note windows authentication does not work