

# DB Practical Work 0: Setting the system up

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## **Abstract**

The following leaflet gives the steps to set the development environment up.

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## 1 Work to do

You have to set your system up in order to get a proper development environment.  
You must install the environment by following section 2.

## 2 Installation

Using the virtual machine is recommended but you can also use a personal machine (no support will be done). Choose one of the following subsection

### 2.1 On the Virtual Machine

1. Download <https://github.com/prafiny/db-project/archive/master.zip>
2. Get the VM called "VMWARE WINDOWS 7 PRO 32 bits - MISE EN OEUVRE BDD"
3. Put the archive in the VM and unzip it.
4. Start WampServer.
5. Open a cmd prompt (Shift+Right Click on the folder `db-project-master`)
6. Run `composer install`

When you are done, you can switch to section 3.

### 2.2 On a personal machine

You will need the following elements for the software to work:

- PHP  $\geq 5.6$
- MySQL/MariaDB
- Apache and PhpMyAdmin
- Composer
  - for Windows: download and install <https://getcomposer.org/Composer-Setup.exe>
  - for Linux/MacOS: open a terminal (in `db-project-master` and run `php composer-setup.php`)
- For Windows : `php.exe` in PATH (see <https://john-dugan.com/add-php-windows-path-variable/>)

- No xDebug : in `php.ini`, comment out the line `zend_extension = "/path/to/php_xdebug.dll"` (adding `;` at the beginning)

Once you have got all the requirements fulfilled, you can proceed with the following steps :

1. Download <https://github.com/prafiny/db-project/archive/master.zip>
2. Unzip the archive somewhere.
3. Open a cmd prompt
  - For Windows: Shift+Right Click on the folder `db-project-master`)
  - For Linux/MacOS: Open bash (in folder `db-project-master`)
4. Run `composer install` (or `php composer.phar install` if it doesn't work)

When you are done, you can switch to section 3.

### 3 Get the system to work

1. You must have two databases : one for testing and one for the application
2. You must have the tables you are working on on both databases
3. Edit the `config/db.yaml.example` file (replacing the infos with the MySQL connection infos) and save as `config/db.yaml`
4. Run a server by opening a commandline (Shift+Right folder `db-project-master`):

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```
php -S localhost:8888 -t www
```

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5. Your application is available at the address `http://localhost:8888/`