

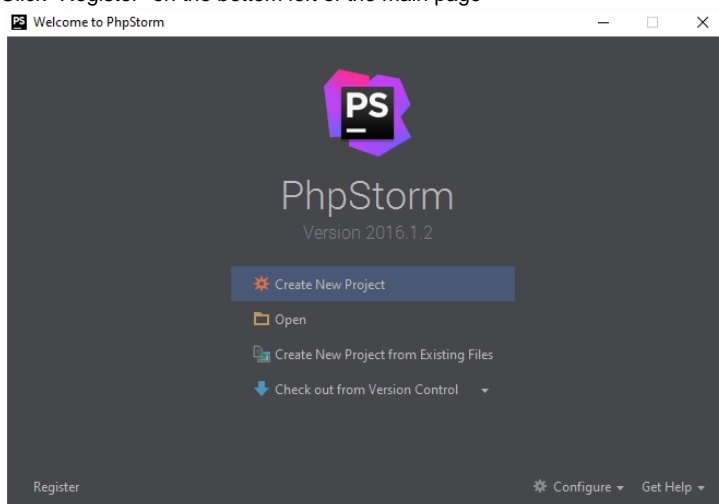
# PHP DevEnv on Windows

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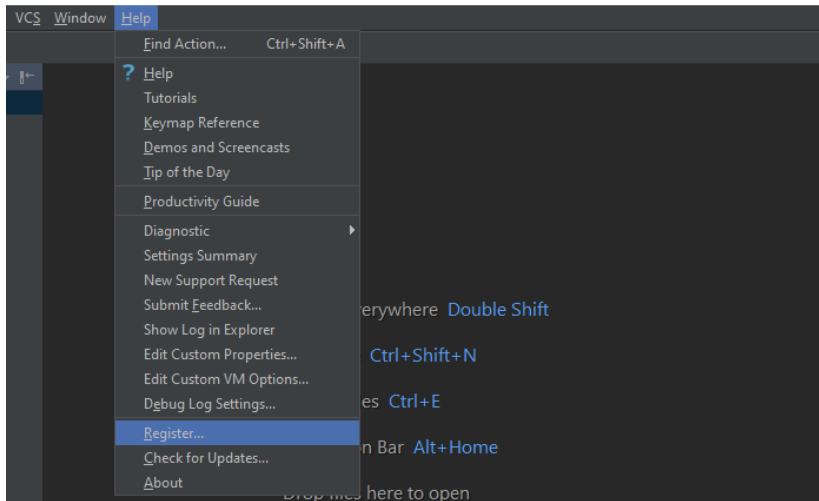
## PHP IDE

### Install PhpStorm

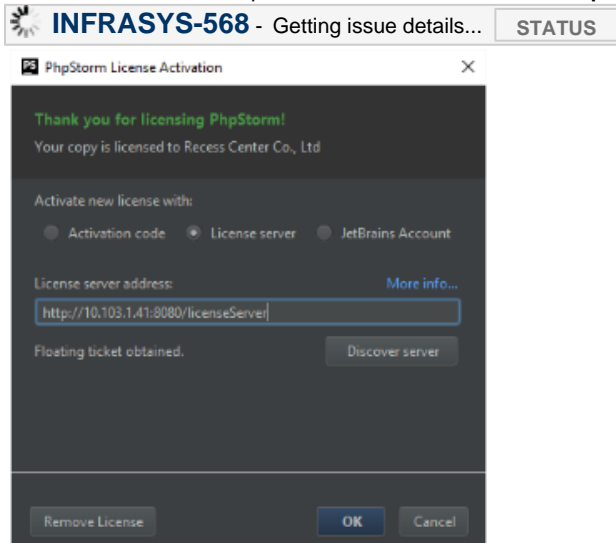
1. Download PhpStorm from [official website](#)
2. Install PhpStorm on Windows platform, you need admin privileges for this step
3. Click "Register" on the bottom left of the main page



Or click "Help" -> "Register..." on the top menu

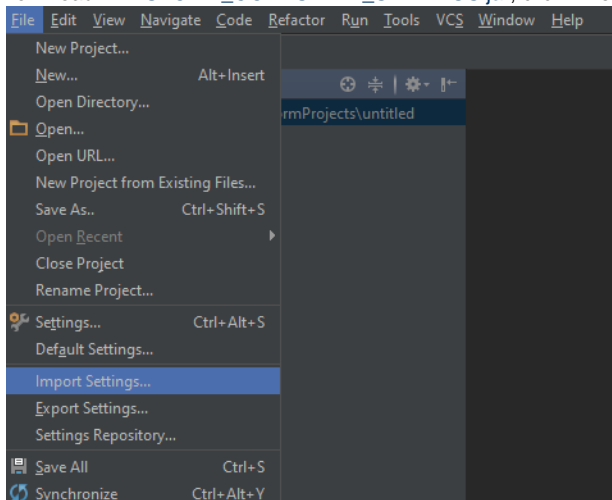


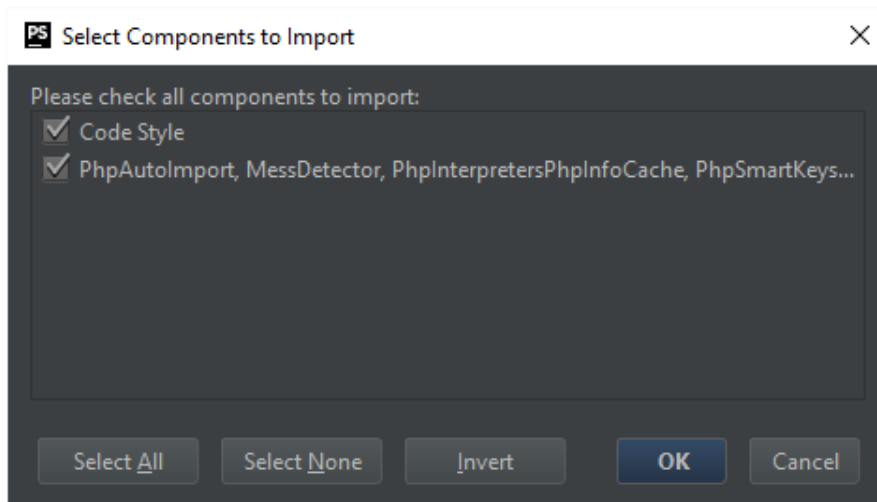
4. Select "License server", input the "License server address" <https://jb-license-server.lzd.co>, then click "OK"



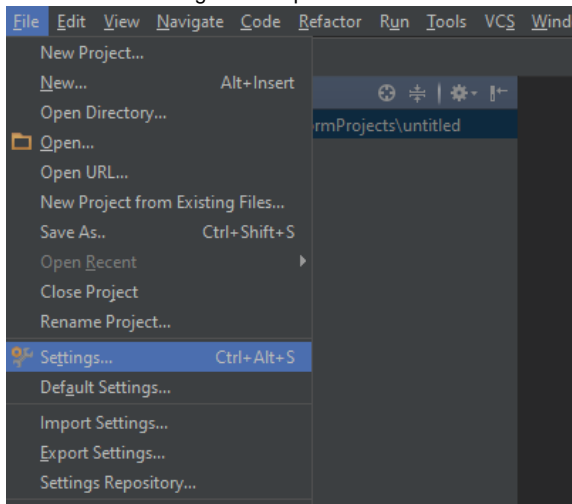
## PhpStorm Auto Format

1. Download [PHPSTORM\\_CODESTYLE\\_SETTINGS.jar](#), click "File" -> "Import Setting..." on PhpStorm menu to import this jar file

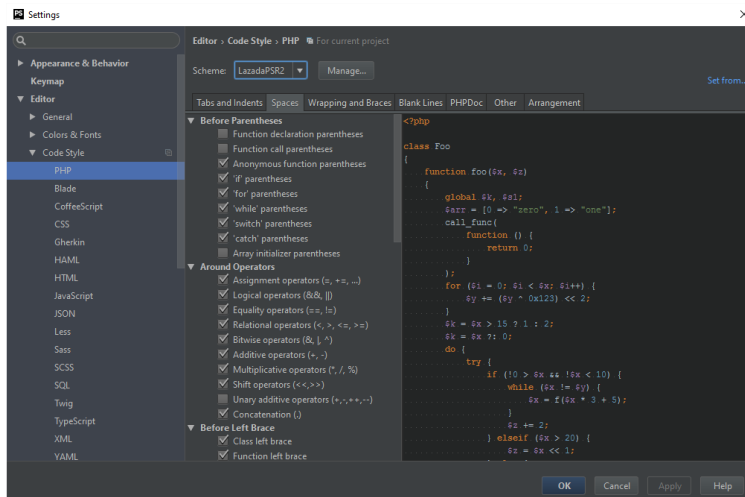




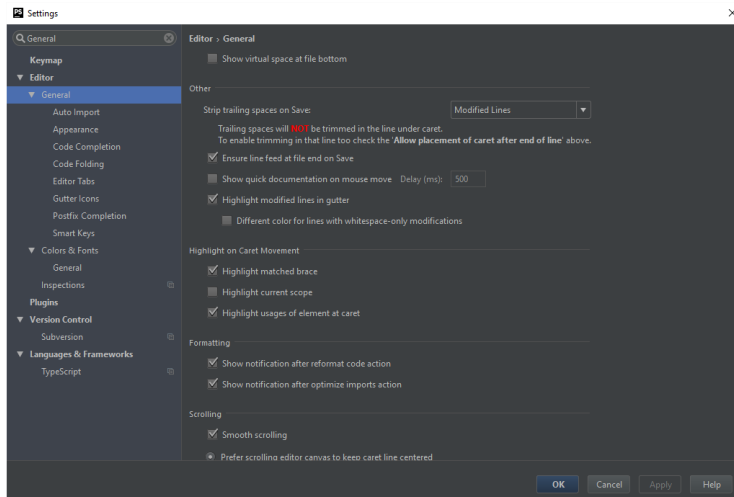
- Restart PhpStorm
- Click "File" -> "Setting..." on PhpStorm menu



- Search "Code Style" on the setting dialog, click "PHP" under "Code Style", activate new coding style by selecting "LazadaPSR2" on Scheme

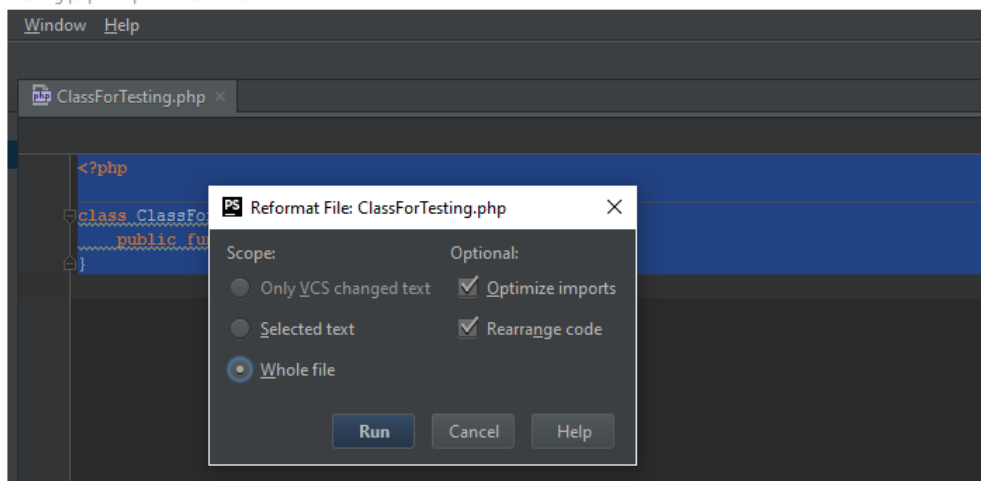


- Click "Manage..." next to Scheme
- Search "General" on setting dialog, enable "Ensure line feed at file end on Save" under "Other" section, then click OK



7. Open any php source code file, press "Ctrl + Shift + Alt + L" to show auto format windows with options, or "Ctrl + Alt + L" to run auto format without option

Testing.php - PhpStorm 2016.1.2



## Code Sniffer and Mess Detector

### Install PHP on Windows

PHP is need for runing code sniffer and mess detector, follow the instruction below to install PHP on Windows

1. Download Php for Windows on <http://windows.php.net/download>
2. Unzip Php to C:\php
3. Download Visual C++ 2012 Redistributable on [Microsoft office site](#)

For 64-bit OS, you need to install both 32bit and 64bit C++ Redistributable.

For 32-bit OS, you need to install 32bit C++ Redistributable only

4. Copy C:\php\php.ini-production to C:\php\php.ini
5. Uncomment the following lines on C:\php\php.ini

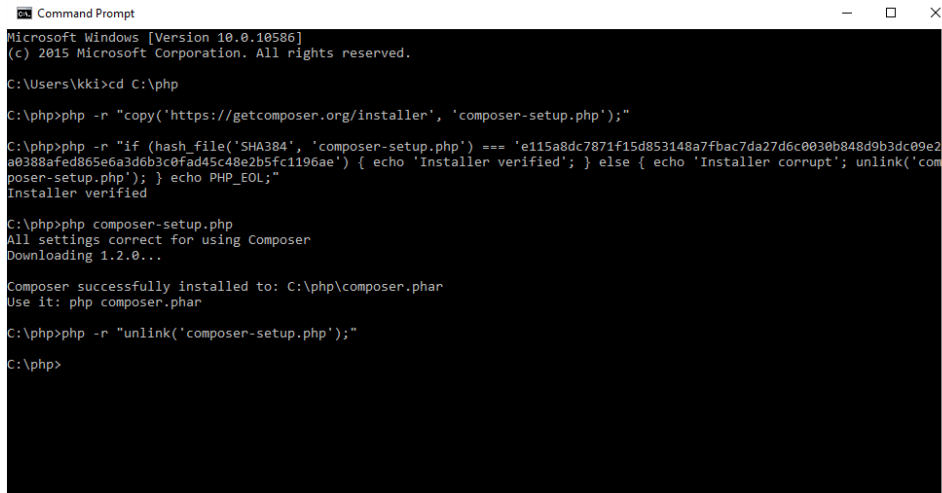


## Download Composer

1. Open Windows PowerShell and run the following command

```
cd C:\php
php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"
php -r "if (hash_file('SHA384', 'composer-setup.php') ===
'e115a8dc7871f15d853148a7fbac7da27d6c0030b848d9b3dc09e2a0388afed865e6a3d6b3c0fad45c48e2b5fc1196
ae') { echo 'Installer verified'; } else { echo 'Installer corrupt';
unlink('composer-setup.php'); } echo PHP_EOL;"
php composer-setup.php
php -r "unlink('composer-setup.php');"

```



```
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\kiki>cd C:\php

C:\php>php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"

C:\php>php -r "if (hash_file('SHA384', 'composer-setup.php') === 'e115a8dc7871f15d853148a7fbac7da27d6c0030b848d9b3dc09e2a0388afed865e6a3d6b3c0fad45c48e2b5fc1196ae') { echo 'Installer verified'; } else { echo 'Installer corrupt'; unlink('composer-setup.php'); } echo PHP_EOL;"
Installer verified

C:\php>php composer-setup.php
All settings correct for using Composer
Downloading 1.2.0...

Composer successfully installed to: C:\php\composer.phar
Use it: php composer.phar

C:\php>php -r "unlink('composer-setup.php');"

C:\php>

```

## Download Code Sniffer

1. Run the following command on Windows PowerShell

```
cd c:\php
php composer.phar require "squizlabs/php_codesniffer=*"

```

2. Open C:\php\vendor\bin\phpcs.bat, and modify the last line

```
C:\php\vendor\bin\phpcs.bat

c:\php\php "%BIN_TARGET%" %*
```

## Download Mess Detector

1. Run the following command on windows PowerShell

```
cd C:\php
php composer.phar require phpmd/phpmd

```

2. Open C:\php\vendor\bin\phpmd.bat, and modify the last line

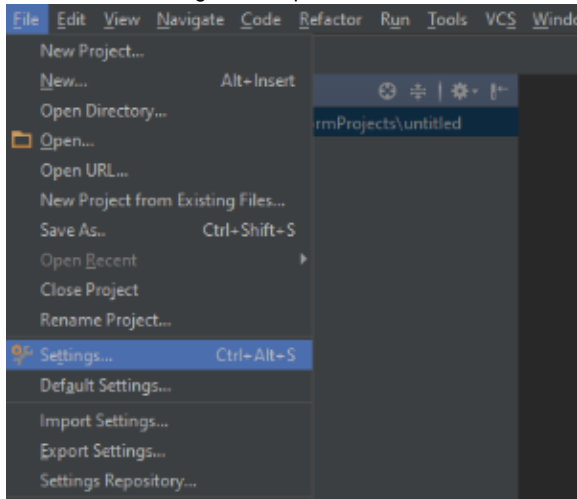
```
C:\php\vendor\bin\phpmd.bat

c:\php\php "%BIN_TARGET%" %*
```

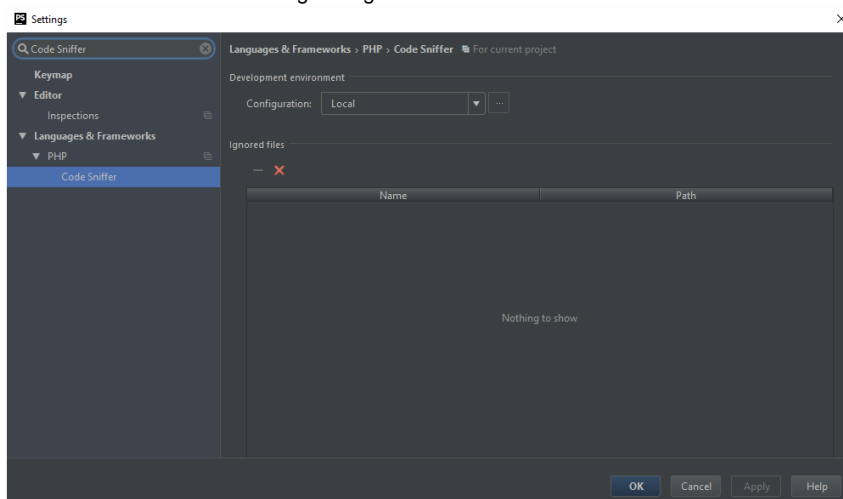
## Configure Code Sniffer and Mess Detector for PhpStorm

### Code Sniffer

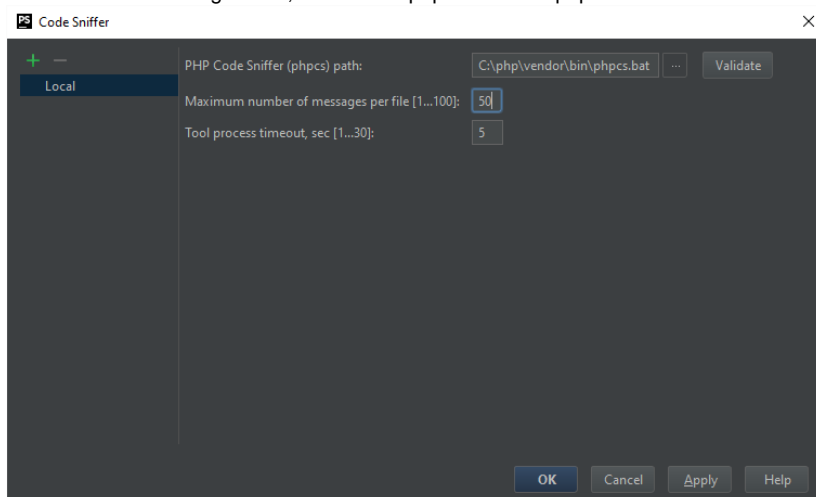
1. Click "File" -> "Setting..." on PhpStorm menu



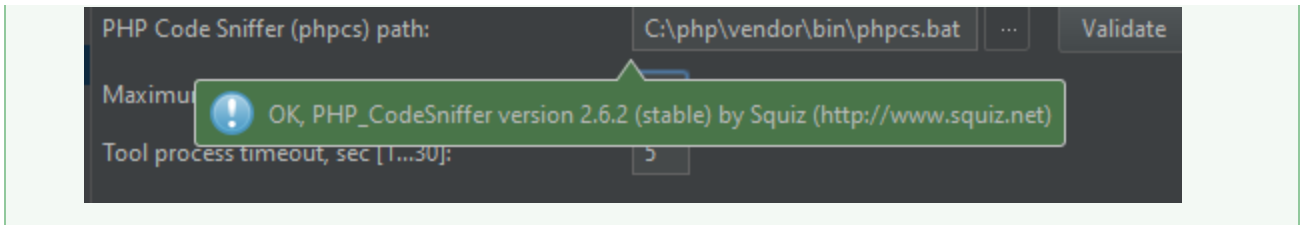
2. Search "Code Sniffer" on Setting Dialog



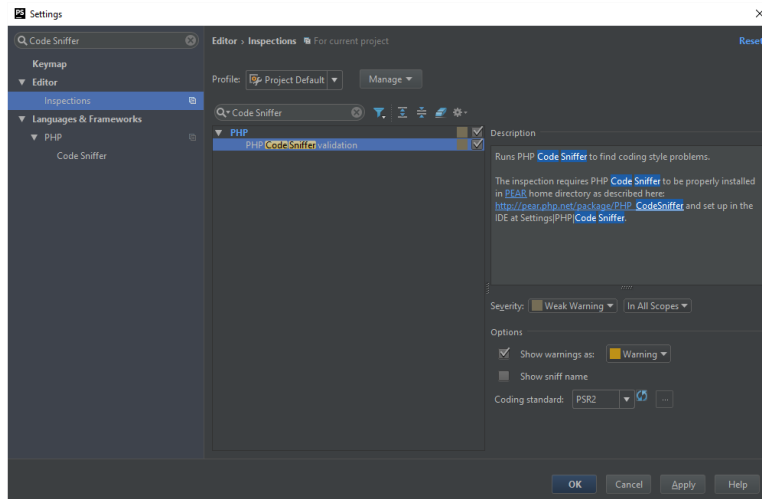
3. Click "..." next to Configuration, browse "C:\php\vendor\bin\phpcs.bat" file for "PHP Code Sniffer (phpcs)" path, then click OK



You can click "Validate" button to check this setting. If the setting is correct, it will show following message

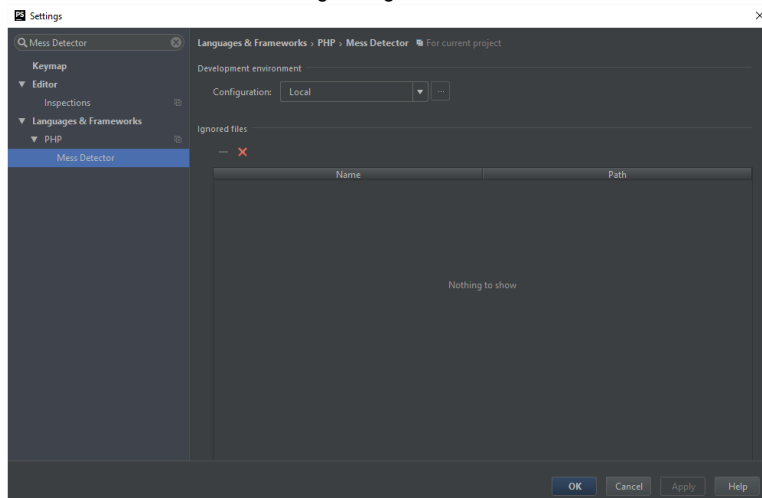


- Click "Inspections", change coding standard to "PSR2" on the bottom right, and enable "PHP Code Sniffer validation" at the middle of the dialog

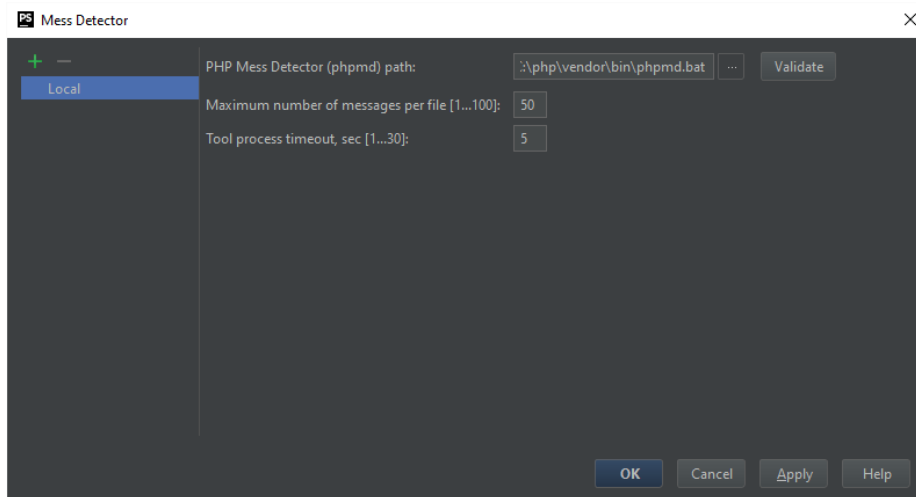


## Mess Detector

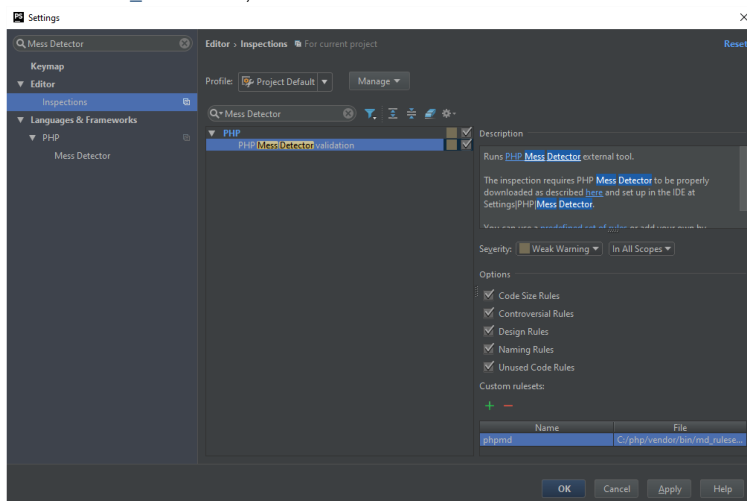
- Search "Mess Detector" on Setting Dialog



- Click "..." next to Configuration, browse "C:\php\vendor\bin\phpmd.bat" file for "PHP Mess Detector (phpmd) path", then click OK

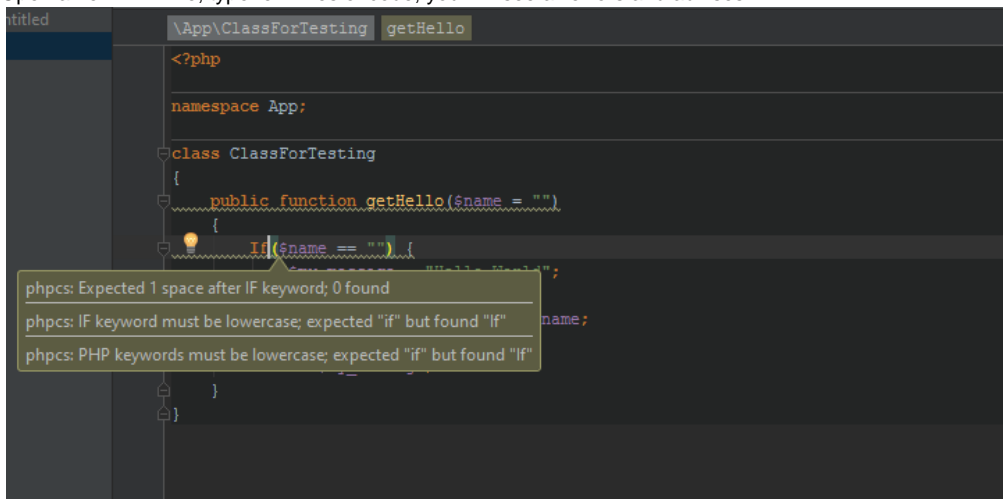


3. Click "Inspections", enable "PHP Mess Detector validation" at the middle, and enable all options on the right hand side of the dialog
4. Download [md\\_ruleset.xml](#), add this xml to the "Custom rulesets"

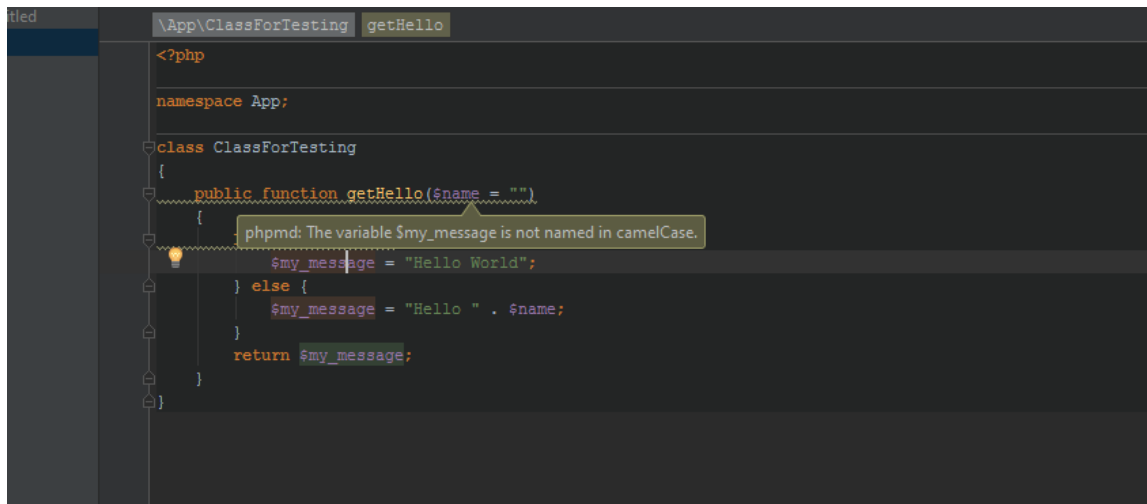


## Testing

1. Open a new PHP file, type few lines of code, you will see all errors and advises:







The screenshot shows a code editor with a dark theme. At the top, there are two tabs: the first is titled 'Untitled' and the second is '\App\ClassForTesting getHello'. The code in the editor is as follows:

```
<?php

namespace App;

class ClassForTesting
{
    public function getHello($name = "")
    {
        $my_message = "Hello World";
    }
    else {
        $my_message = "Hello " . $name;
    }
    return $my_message;
}
```

A yellow tooltip with a lightbulb icon points to the line `$my_message = "Hello World";`. The tooltip text reads: "phpmd: The variable \$my\_message is not named in camelCase." The code is color-coded: PHP tags are orange, namespaces are blue, class names are blue, function names are orange, and variable names are purple.

## Reference

- [Operation - Code style](#)
- [Webshop - PHP Storm License](#)
- [PHP Coding Standard Generator](#)