

# How to Run PHP Unit test directly from Docker Container

\*\*\*Test are located in project root folder [tests/Unit](#)

1) First, make sure your Laravel(backend app) docker container is running. Open your Windows PowerShell and run the following command

**[docker ps](#)**

This will List Running Containers and you will see the container name running on port 9000, which should be back\_end\_microservice-app-1

It's important you use Windows PowerShell because on some terminals like Git Bash they might support TTY (Teletype). This issue commonly arises on Windows systems with certain terminal emulators like Git Bash or when using the Windows Subsystem for Linux (WSL). You will see an error like this "the input device is not a TTY. If you are using mintty, try prefixing the command with 'winpty'"

2) Run the following command

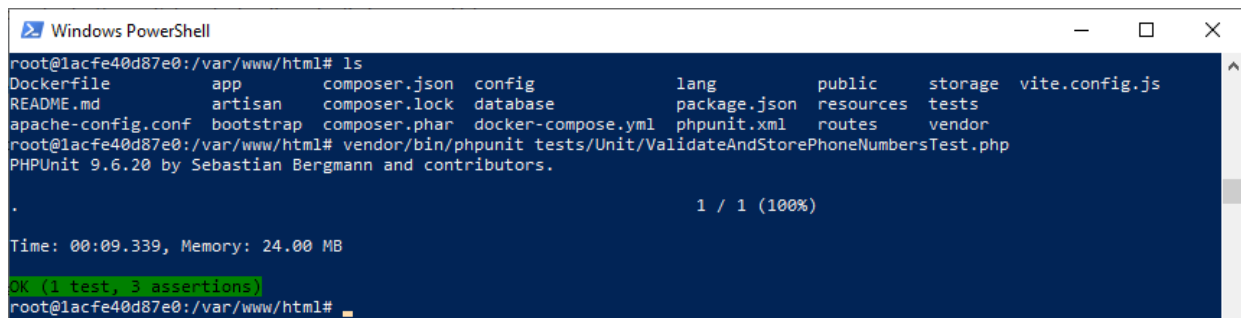
**[docker exec -it back\\_end\\_microservice-app-1 /bin/bash](#)**

This will give you access to your Docker container where your Laravel application is running

3) Once inside the container, make sure you are in your laravel project root where the vendor folder is located, you can check this by running this command

**[ls](#)**

4) First PHP Unit Test is to validate and store phone numbers. Run the command below, **[vendor/bin/phpunit tests/Unit/ValidateAndStorePhoneNumbersTest.php](#)**



```
Windows PowerShell
root@1acfe40d87e0:/var/www/html# ls
Dockerfile      app      composer.json  config      lang      public      storage  vite.config.js
README.md       artisan  composer.lock  database    package.json  resources  tests
apache-config.conf  bootstrap  composer.phar  docker-compose.yml  phpunit.xml  routes      vendor
root@1acfe40d87e0:/var/www/html# vendor/bin/phpunit tests/Unit/ValidateAndStorePhoneNumbersTest.php
PHPUnit 9.6.20 by Sebastian Bergmann and contributors.

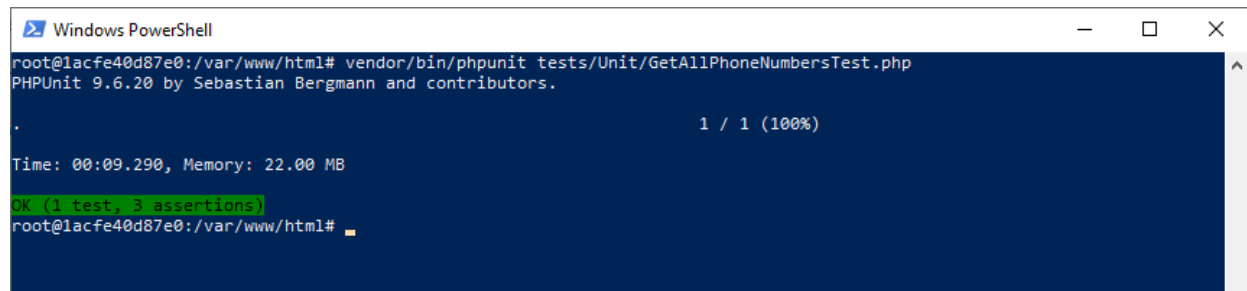
.
1 / 1 (100%)

Time: 00:09.339, Memory: 24.00 MB

OK (1 test, 3 assertions)
root@1acfe40d87e0:/var/www/html#
```

5) The second test is to get all the saved numbers, Run the command below

**vendor/bin/phpunit tests/Unit/GetAllPhoneNumbersTest.php**



```
Windows PowerShell
root@1acfe40d87e0:/var/www/html# vendor/bin/phpunit tests/Unit/GetAllPhoneNumbersTest.php
PHPUnit 9.6.20 by Sebastian Bergmann and contributors.

.
1 / 1 (100%)

Time: 00:09.290, Memory: 22.00 MB

OK (1 test, 3 assertions)
root@1acfe40d87e0:/var/www/html#
```