

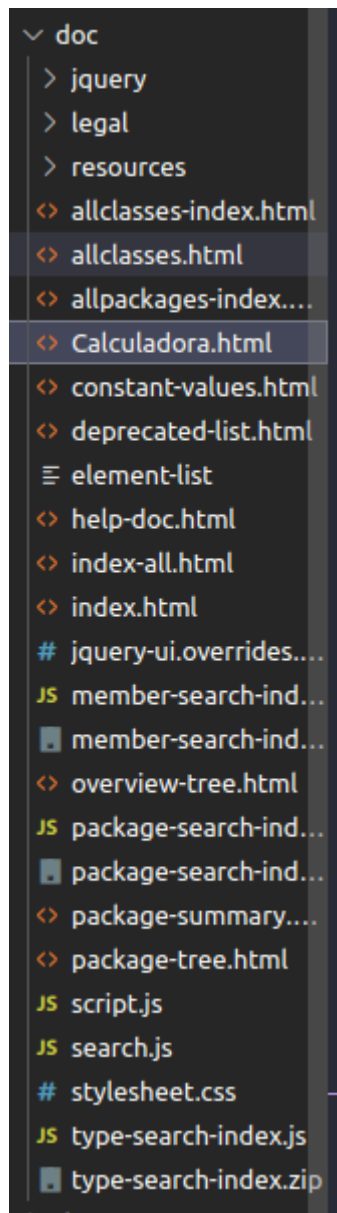
Creamos una clase en java:

```
Calculadora.java
1  /**
2   * Clase que representa unha calculadora sinxela.
3   *
4   * @author JorgeR
5   * @version 1.0
6   */
7  public class Calculadora {
8
9      /**
10     * Realiza a suma de dous números.
11     *
12     * @param a 0 primeiro número
13     * @param b 0 segundo número
14     * @return A suma de a e b
15     */
16     public int sumar(int a, int b) {
17         return a + b;
18     }
19
20     /**
21     * Divide dous números.
22     *
23     * @param a 0 dividendo
24     * @param b 0 divisor (non pode ser 0)
25     * @return 0 resultado da división
26     * @throws ArithmeticException Se b é 0
27     */
28     public double dividir(int a, int b) throws ArithmeticException {
29         if (b == 0) {
30             throw new ArithmeticException("Non se pode dividir por cero.");
31         }
32         return (double) a / b;
33     }
34 }
```

y creamos el javadoc:

```
A configurar libxt-dev:amd64 (1:1.2.1-1) ...
xubu@xubu-VirtualBox:~/var/www/html$ javadoc -d doc Calculadora.java
Loading source file Calculadora.java...
Constructing Javadoc information...
Creating destination directory: "doc/"
Standard Doclet version 11.0.25
Building tree for all the packages and classes...
Generating doc/Calculadora.html...
Generating doc/package-summary.html...
Generating doc/package-tree.html...
Generating doc/constant-values.html...
Building index for all the packages and classes...
Generating doc/overview-tree.html...
```

y vemos como se crea una carpeta que llamamos doc con toda la documentacion:



y si entramos en el html de calculadora nos enseña todo:

Calculadora — Mozilla Firefox /var/www/html/doc

Calculadora

localhost/doc/Calculadora.html

PACKAGE **CLASS** TREE DEPRECATED INDEX HELP

ALL CLASSES SEARCH:

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

Class Calculadora

java.lang.Object
Calculadora

```
public class Calculadora
extends java.lang.Object
```

Clase que representa unha calculadora sinxela.

Constructor Summary

Constructors	Description
Calculadora()	

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
double	dividir(int a, int b)	Divide dous números.
int	sumar(int a, int b)	Realiza a suma de dous números.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

CTRL DERECHA

PHPDoc:

Instalamos phpdoc y le damos permisos :

```
Terminal - xubu@xubu-VirtualBox: ~
Ficheiro  Editar  Ver  Terminal  Lapelas  Axuda
xubu@xubu-VirtualBox:~$ wget https://github.com/phpDocumentor/phpDocumentor/releases/latest/download/phpDocumentor.phar
--2025-02-03 22:03:31-- https://github.com/phpDocumentor/phpDocumentor/releases/latest/download/phpDocumentor.phar
Resolvendo github.com (github.com)... 140.82.121.4
Conectando con github.com (github.com)|140.82.121.4|:443... conectado.
Petición HTTP enviada, agardando unha resposta... 302 Found
Localización: https://github.com/phpDocumentor/phpDocumentor/releases/download/v3.6.0/phpDocumentor.phar [seguíndoo]
--2025-02-03 22:03:34-- https://github.com/phpDocumentor/phpDocumentor/releases/download/v3.6.0/phpDocumentor.phar
Reutilizando a conexión existente con github.com:443.
Petición HTTP enviada, agardando unha resposta... 302 Found
Localización: https://objects.githubusercontent.com/github-production-release-asset-2e65be/761653/59e29314-ea7c-4121-be81-d6ec41973775?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250203%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250203T210352Z&X-Amz-Expires=300&X-Amz-Signature=933d570f1572392a6613044786f24c27687314932e6f5e77b703fb047559b5d1&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3DphpDocumentor.phar&response-content-type=application%2Foctet-stream [seguíndoo]
--2025-02-03 22:03:35-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/761653/59e29314-ea7c-4121-be81-d6ec41973775?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250203%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250203T210352Z&X-Amz-Expires=300&X-Amz-Signature=933d570f1572392a6613044786f24c27687314932e6f5e77b703fb047559b5d1&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3DphpDocumentor.phar&response-content-type=application%2Foctet-stream
Resolvendo objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.111.133, 185.199.109.133, 185.199.108.133, ...
Conectando con objects.githubusercontent.com (objects.githubusercontent.com)|185.199.111.133|:443... conectado.
Petición HTTP enviada, agardando unha resposta... 200 OK
Lonxitude: 25078390 (24M) [application/octet-stream]
Gardando en: 'phpDocumentor.phar'

phpDocumentor.phar 100%[=====>] 23,92M 7,38MB/s in 9,6s

2025-02-03 22:04:00 (2,48 MB/s) - gardouse 'phpDocumentor.phar' [25078390/25078390]

xubu@xubu-VirtualBox:~$ sudo mv phpDocumentor.phar /usr/local/bin/phpdoc
xubu@xubu-VirtualBox:~$ sudo chmod +x /usr/local/bin/phpdoc
xubu@xubu-VirtualBox:~$ phpdoc --version
phpDocumentor v3.6.0
xubu@xubu-VirtualBox:~$
```

creamos la clase .php:

```
Calculadora.php
Calculadora.php
1  <?php
2  /**
3   * Clase Calculadora para realizar operaciones matemáticas básicas
4   *
5   * @author Exemplo
6   * @version 1.0
7   */
8  class Calculadora {
9
10     /**
11      * Realiza a suma de dous números.
12      *
13      * @param int $a 0 primeiro número
14      * @param int $b 0 segundo número
15      * @return int A suma de $a e $b
16      */
17     public function sumar(int $a, int $b): int {
18         return $a + $b;
19     }
20
21     /**
22      * Divide dous números.
23      *
24      * @param int $a 0 dividendo
25      * @param int $b 0 divisor (non pode ser 0)
26      * @return float 0 resultado da división
27      * @throws Exception Se $b é 0
28      */
29     public function dividir(int $a, int $b): float {
```

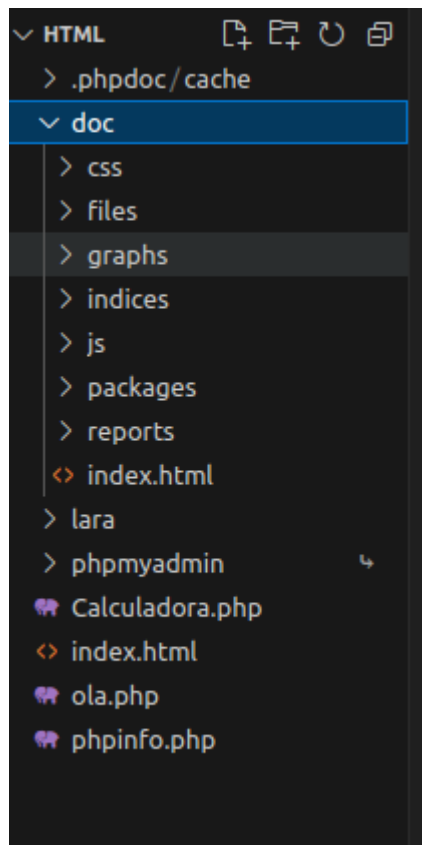
creamos la documentacion:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
xubu@xubu-VirtualBox:/var/www/html$ phpdoc -d ./Calculadora.php -t ./doc
phpDocumentor 3.6.0

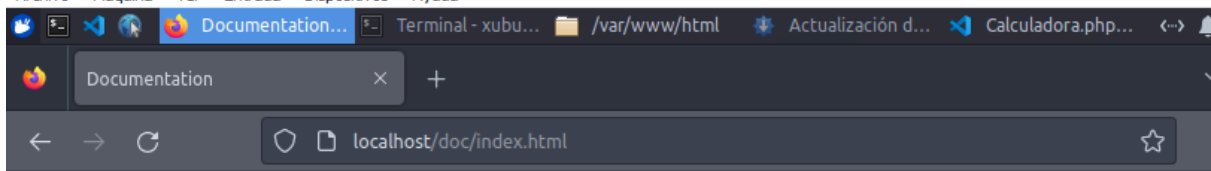
Parsing files
 1/1 [=====] 100%
Applying transformations (can take a while)

All done in 2 seconds!
xubu@xubu-VirtualBox:/var/www/html$
```

y vemos como se creo aqui:



y lo abrimos en localhost para ver la documentacion:



Documentation

🔍 Search (Press "/" to focus)

Packages

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Deprecated

Errors

Markers

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Documentation

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 [Application](#)

MODIFICACIONES:

Instalo shim, que descarga la ultima version de phpDoc y la pone a disposicion del proyecto:

```
xubu@xubu-VirtualBox: /var/www/html/Calculadora$ sudo composer require phpdocumentor/shim
[sudo] Contraseña de xubu:
Do not run Composer as root/super user! See https://getcomposer.org/root for details
Continue as root/super user [yes]? yes
Using version ^3.6 for phpdocumentor/shim
./composer.json has been created
Running composer update phpdocumentor/shim
Loading composer repositories with package information
Updating dependencies
Lock file operations: 5 installs, 0 updates, 0 removals
  - Locking phar-io/composer-distributor (1.0.2)
  - Locking phar-io/executor (1.0.1)
  - Locking phar-io/filesystem (2.0.1)
  - Locking phar-io/gnupg (1.0.3)
  - Locking phpdocumentor/shim (v3.6.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 5 installs, 0 updates, 0 removals
  - Downloading phar-io/filesystem (2.0.1)
  - Downloading phar-io/executor (1.0.1)
```

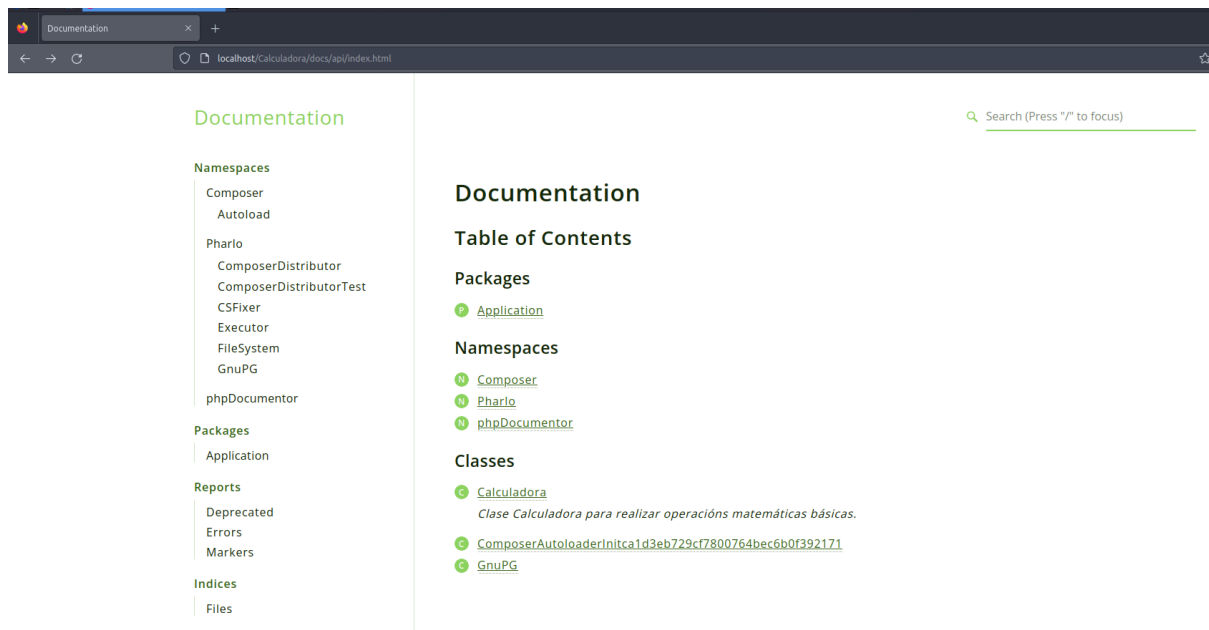
Ahora ejecuto el phpDoc :

```
xubu@xubu-VirtualBox: /var/www/html/Calculadora$ vendor/bin/phpdoc run -d . -t docs/api
phpDocumentor 3.6.0

Parsing files
 72/72 [=====] 100%
Applying transformations (can take a while)

All done in 5 seconds!
xubu@xubu-VirtualBox: /var/www/html/Calculadora$
```

Ahora entro en localhost para ver la documentacion:



por ejemplo si entro dentro de la clase calculadora, me sale toda la documentacion generada, con los metodos y todo lo que tiene la clase(en este caso solo metodos):

