Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application

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$ wget -O phpunit https://phar.phpunit.de/phpunit-9.phar

$ chmod +x phpunit

$ ll | grep phpunit

Text

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$ sudo apt install php7 php7-mbstring php7-dom php-xml

(or) $ sudo apt install php-mbstring php-dom php-xml

$ ./phpunit –version

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$ mkdir -p Desktop/lab1/tests/unit

$ gedit Desktop/lab1/phpunit.xml &

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| --- | --- |
| <phpunit bootstrap="bootstrap.php">  <testsuites>  <testsuite name="Sample">  <directory>tests</directory>  </testsuite>  </testsuites>  </phpunit> |  |

$ gedit Desktop/lab1/bootstrap.php &

|  |  |
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| <?php  // my app includes  include('./factorial.php'); |  |

$ gedit Desktop/tests/unit/SampleTest.php &

|  |  |
| --- | --- |
| <?php  //include('../../factorial.php');    class SampleTest extends PHPUnit\Framework\TestCase {  public function test\_factorial\_0\_should\_be\_1() {  $this->assertTrue(factorial(0)==1);  }  public function test\_factorial\_1\_should\_be\_1() {  $this->assertTrue(factorial(1)==1);  }  public function test\_factorial\_5\_should\_be\_120() {  $this->assertTrue(factorial(5)==120);  }  public function test\_factorial\_n() {  $n = 5;  $this->assertTrue(factorial($n)==($n\*factorial($n-1)));  }  public function test\_factorial\_Neg\_3\_should\_be\_NULL() {  $this->assertTrue(factorial(-3)==NULL);  }  public function test\_factorial\_1\_DOT\_5\_should\_be\_NULL() {  $this->assertTrue(factorial(1.5)==NULL);  }  public function test\_factorial\_false\_should\_be\_NULL() {  $this->assertTrue(factorial(false)==NULL);  }  public function test\_factorial\_abc\_should\_be\_NULL() {  $this->assertTrue(factorial("abc")==NULL);  }  }  ?> |  |

$ gedit Desktop/lab1/factorial.php &

|  |  |
| --- | --- |
| <?php  function factorial($num)  {  $result;  if((is\_int($num)) && ($num >= 0)) {  if(($num == 0) || ($num == 1))  $result = 1;  else  $result = $num \* factorial($num - 1);  return $result;  }  }  ?> |  |

$ ~/phpunit –testdox

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