



Universidade de Ribeirão Preto
Campus Ribeirão Preto - Campus Guarujá

Programação para Web II

First Steps - PHP



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Schedule

- History
- Variables
- Operators
- Challenge (easy)

"The world doesn't need software, the world
needs solutions"
Rasmus Lerdorf

History

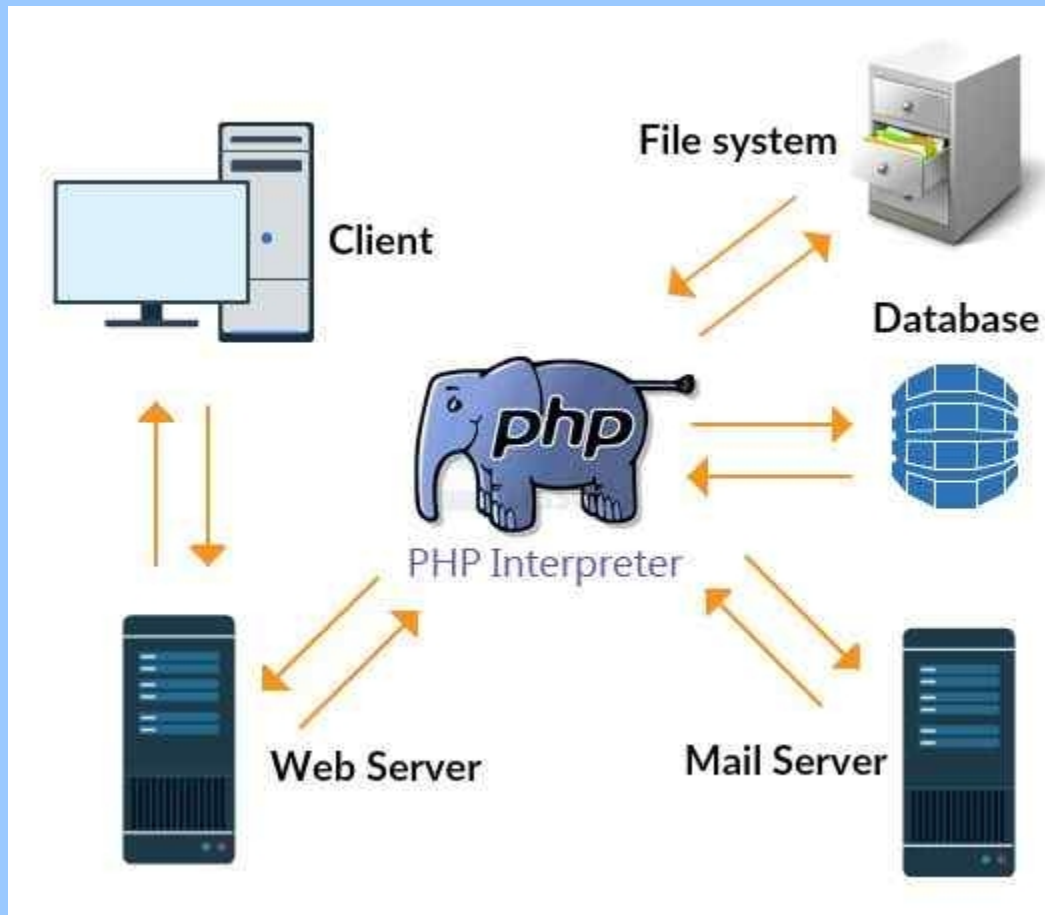
- Rasmus Lerdorf - 1994
- Personal Home Page
- **PHP: Hypertext Preprocessor**
- Open source – 1995
- PHP 7 – 2015
- `phpinfo()`



Features

- Free and Open Source
<https://github.com/php/php-src>
- Compatible with most of the services(Apache, IIS)
- Scripting validation → server side

How PHP works



XAMPP

- https://www.apachefriends.org/pt_br/index.html
- X as an ideographic letter referring to cross-platform
- A Apache HTTP Server
- M MariaDB (formerly: MySQL)
- P PHP
- P PERL

Coding

- <http://phptester.net/>
- Tutorials Point
- Comments
- Output
 - echo
 - print
 - var_dump
 - print_r

```
        'role_id' => $role_details['id'],  
        'resource_id' => $resource_details['id'],  
    );  
    if ( $this->rule_exists( $resource_details['id'], $role_details['id'] ) )  
    {  
        if ( $access == false ) {  
            // Remove the rule as there is currently no need for it  
            $details['access'] = !$access;  
            $this->_sql->delete( 'acl_rules', $details );  
        } else {  
            // Update the rule with the new access value  
            $this->_sql->update( 'acl_rules', array( 'access' => $access ) );  
        }  
    }  
    foreach( $this->rules as $key=>$rule ) {  
        if ( $details['role_id'] == $rule['role_id'] && $details['resource_id'] == $rule['resource_id'] )  
        {  
            if ( $access == false ) {  
                unset( $this->rules[ $key ] );  
            } else {  
                $this->rules[ $key ]['access'] = $access;  
            }  
        }  
    }  
}
```

echo vs print

- echo has no return value while print has a return value of 1 so it can be used in expressions.
- echo can take multiple parameters (although such usage is rare) while print can take one argument
- echo is marginally faster than print.

Variables

- Case sensitive
- 123variable
- vari a ble
- variablewithchangesomethingandthen
- \$client_code
- \$clientCode

Boolean

- TRUE
- FALSE
 - integer ()
 - float 0.0
 - "" or "0"
 - Empty Array []
 - Object without elements
 - NULL



TRUE



FALSE

Numeric

- Decimal
- Negative
- Octal
- Hexadecimal
- Float
- Scientific notation



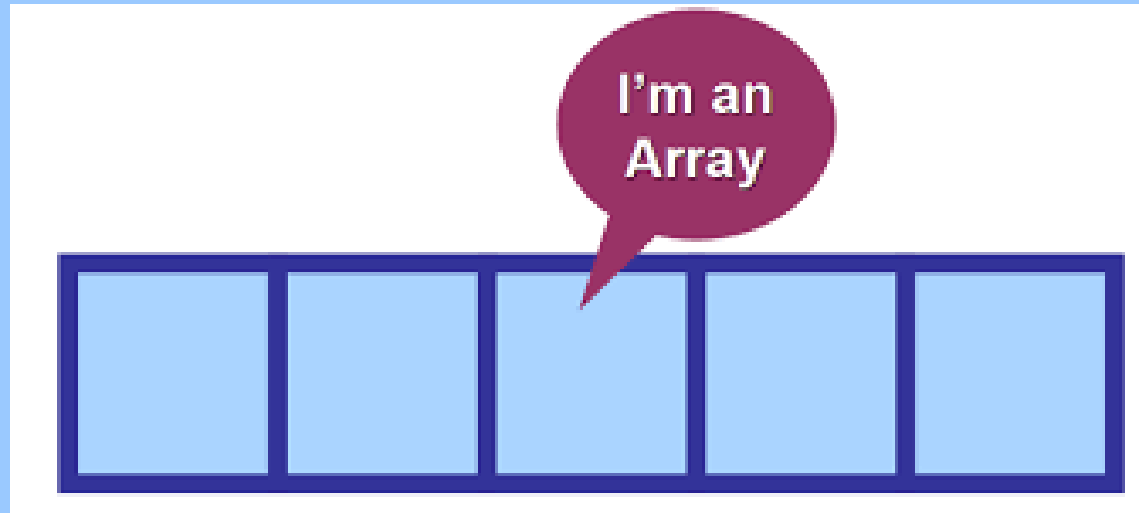
Strings

- “ or “”
- Prank “\$variable” vs ‘\$variable’



Arrays

```
array(  
  key => value,  
  key2 => value2,  
  ...  
)  
  
[(  
  key => value,  
  key2 => value2,  
  ...  
)
```



Constants

- `Define('MAX_CUSTOMERS',100);`
- `echo MAX_CUSTOMERS;`
- `#const MAX_CUSTOMERS = 100;`

Operators

- Assignment
- Arithmetic + - * / %
- Comparison
- Logical
- String
- Array

Control Statements

- If...
- if...else
- if...elseif....else
- switch

Loops

- while
- do...while
- for
- foreach
 - foreach (\$array as \$value) {
 - code to be executed;
 - }

while vs do...while

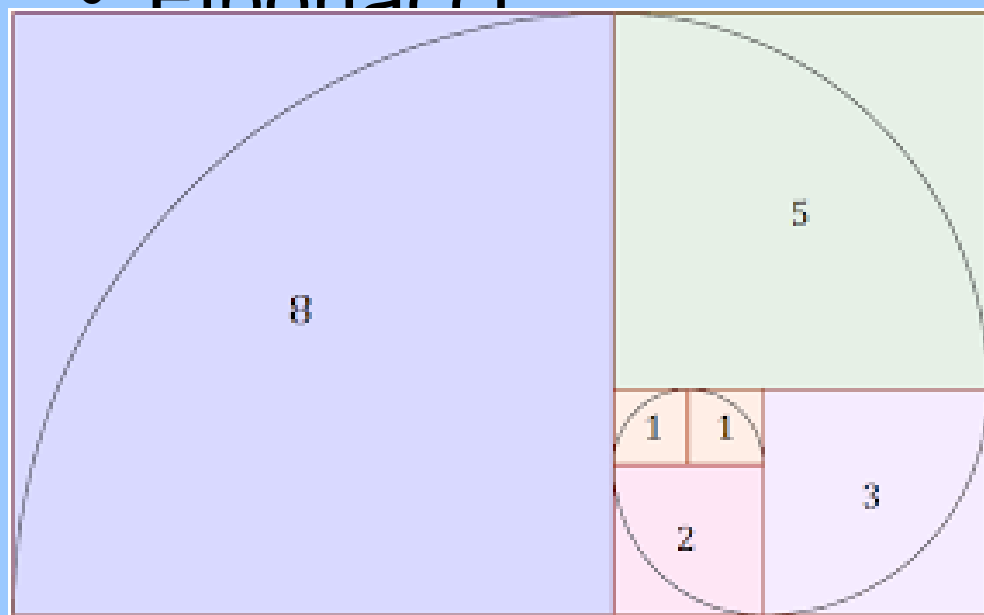
```
while (not edge) {  
    run();  
}
```

```
do {  
    run();  
} while (not edge);
```



Challenge 01

- Echo 1, 1, 2, 3, 5, 8, 13, 21, 34 ...
- Only variables
- ~1,618 – proporção áurea
- Fibonacci



Doubts

[Maior dúvida] – send by e-mail to
ezarpelao@unaerp.br subject
“Maior dúvida – 16/08/2019 - “+RA
Deadline: 20/08/2019

