FROM JAVASCRIPT TO PHP

Script Tags
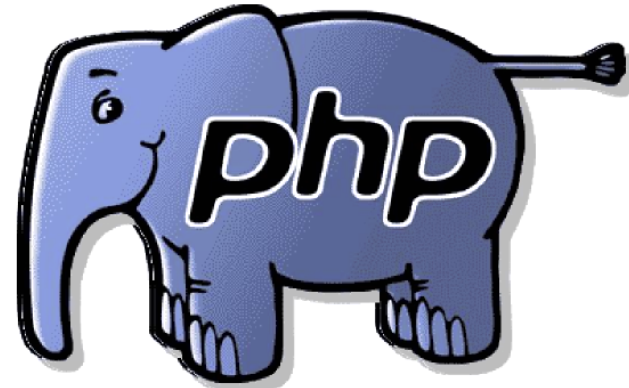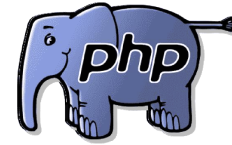


```
// start tag
<script>

    // Your code here

</script>// end tag
```



```
<!-- start tage -->

<?ph

// write code here

?>

<!-- end tage -->
```
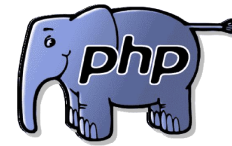
VARIABLE

```javascript
// Integer value
let age = 10;

// String value
let name = "Rady Y";

// Boolean value
let isDone = false;

// Float or double value
let average = 10.4;
```

```php
// integer value
$age = 10;

// string value
$name = "Rady Y";

// Boolean value
$isDone = false;

// Flote or double value
$average = 10.4;
```
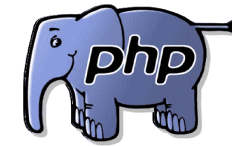
Output


```
// show on browser
document.write("Hello JS!");


// Show in console (press F12)
console.log("Hello JS!!");


// Show in alert popup
alert("Hello JS!!!");
```

```php
<?php

echo("Hello world");

?>
```

```
1    <?php
2
3        echo("Hello world");
4
5    ?>
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

PS C:\Users\User\Desktop\PHP> php .\3.php
Hello world
PS C:\Users\User\Desktop\PHP>

LEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   ≡

C:\Users\User\Desktop\PHP> php -S localhost:8000

```php
<?php

    alert("Hello world");

?>
```

LEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   ∑ powershell +

C:\Users\User\Desktop\PHP> php .\3.php
Fatal error: Uncaught Error: Call to undefined function alert()

Comment

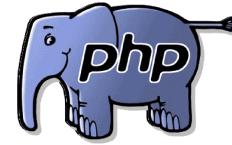

```
// Single lin comment

/*
  Multiple line comment
*/
```

```
3.php
<?php

// single line comment

/* Mutiple line comment*/;

?>
```

Array

```javascript
// High recommend

// Number
let numbers = [1, 3, 3, 4];
// String
let fruits = ["apple", "banana"];
// Float
let avg = [1.5, 3.5, 8.0];

// Other way to create array

// Number
let numbers = new Array(1, 4, 5);
// String
let fruits = new Array("Mango", "Coconut");
```
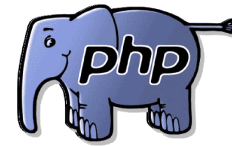
```php
<?php
//  number
$numbers = [1,2,3,4];
//  string
$fruits = ["apple","banana"];
// float
$avg = [1.5,3.5,8.0];


// other way to create array

// number
$numberrs = newArray(1,2,3);
// string
$fruits = newArray("Mango","Coconut");

?>
```
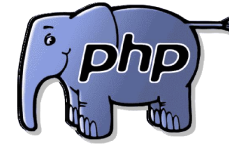
Array Access


```javascript
let numbers = [1, 3, 3, 4];

// Access value
console.log(numbers[2]); // output: 3

// Count element
console.log(numbers.length); // output: 4

// Replace
numbers[0] = 10; // now [10, 3, 3, 4]

// Add new element
numbers[4] = 30; // now [10, 3, 3, 4, 30];
```



```php
<?php

$numbers = [1,2,3,4];
// Access value
echo ($numbers[2]);
// count element
echo (count($numbers));
// Replace
$numbers[0]=10;
// Add new element
$numbers[4]=30;

?>
```
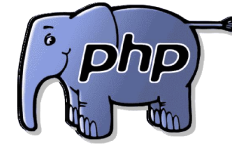
Array methods

```javascript
let numbers = [1, 3, 3, 4];

// add new element at the last
numbers.push(10); // now [1, 3, 3, 4, 10]

// delete last element
numbers.pop(); // now [1, 3, 4]

// delete first element
numbers.shift(); // now [3, 4]

// add new element add the first
numbers.unshift(1, 3);// now [1, 3, 3, 4]
```

```php
<?php

$numbers = [1,3,3,4];
//  Add new element at the last
array_push($numbers,10);
// Delete last element
array_pop($number);
// delete first element
array_shift($numbers);
// Add new element add the first
array_unshift(1,3);

?>
```
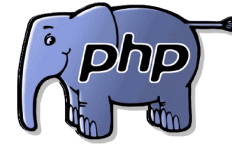
Object


```javascript
// Object
let user = {
  name: "rady",
  age: 27
}

// Access object value
console.log(user.name); // rady

// Delete property
delete user.age;
```

Associative Array


```php
<?php
$user = [
    "name" => "rady",
    "age" => 27,
]

echo ($user["name"]); Error

?>
```
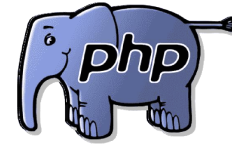
```php
<?php
    $user = [
        'name' => 'Rady',
        'age' => 27,
    ];
    unset($user["age"]);

?>
```

Constants variable


```javascript
// constant variable
const SCHOOL = "PNC CAMBODIA";

// Access value
console.log(SCHOOL); // output: PNC CAMBODIA
```
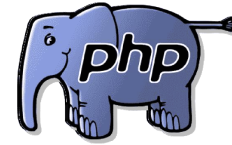
```php
<?php
$SCHOOL ="PNC CAMBODIA";
echo "$SCHOOL";

?>
```

Conditional


```javascript
// Conditional
let n = 10;
// if
if (n == 10) {
  console.log("Sure");
}
// if - else
if (n > 10){
  console.log("No");
}else {
  console.log("Yes");
}
```
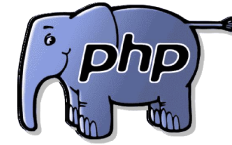
```php
<?php
    $n =10;
    if ($n==10) {
        echo "Sure";
    } elseif ($n>10){
        echo "No";
    }else{
        echo "Yes";
    }
?>
```

Conditional


```javascript
// Conditional
let n = 10;
// if-elseif-else
if (n == 10){

  console.log("Sure");

}else if (n > 10) {

 console.log("Not really");

}else if (n < 10) {

  console.log("Not exactly");

}else {

  console.log("No answer");

}
```
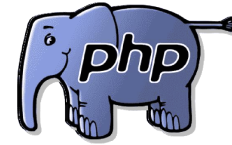
```php
index.php
  <?php
      $n =10;
      if ($n==10) {
          echo "Sure";
      } elseif ($n>10){
          echo "Not really";
      }elseif ($n<10){
          echo "Not exactly";
      }else{
          echo('No answer');
      }
  ?>
```

Loop


```javascript
let numbers = [1, 2, 3, 4];
// for loop
for (let i = 0; i < numbers.length; i++) {
  console.log(numbers[i]); // 1, 2, 3, 4
}

// Loop by index
for (let index in numbers) {
  console.lg(index); // 0, 1, 2, 3
}

// Loop by value
for (let value of number) {
  console.log(value); // 1, 2, 3, 4
}
```
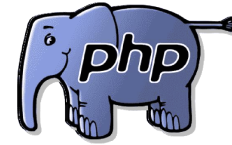


```php
<?php
    $numbers =[1,2,3,4];

    for ($i=0; $i < count($numbers); $i++) {
        echo($numbers[$i]);
    }
    foreach ($numbers as $index => $numbers) {
        echo $index ;
    }
    foreach ($numbers as $number) {
        echo $number;
    }
?>
```

Loop

```js
let numbers = [1, 2, 3, 4];
// while loop
let i = 0;

while (i < numbers.length) {
  console.log(number[i]); // 1, 2, 3, 4
  i++;
}
```

```php
<?php
    $numbers =[1,2,3,4];

    $i= 0;
    while ($i <count($numbers)) {
        echo($numbers[$i]);
        $i++;
    }
?>
```
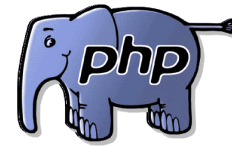
Loop

```js
let numbers = [1, 2, 3, 4];
// foreach loop
numbers.forEach(function(num) {
  console.log(num); // 1, 2, 3, 4
})
```
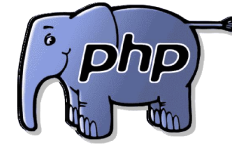
```php
<?php
    $numbers =[1,2,3,4];
    foreach ($numbers as $num) {
        echo $num;
    }
?>
```

Function


```js
// Function declare
function getName() {
  return "Rady here...";
}

// call
console.log(getName());
```
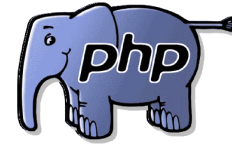
```php
<?php
funtion getname(){
    return "Rady here...";
}
echo getname();

?>
```

Function


```javascript
// Function declare
function getName(name) {
  return "My name is ". name;
}

// call
console.log(getName("Rady"));
```

```php
<?php
function getName($name){
  return "My name is ". $name ;
}
echo getName("Rady");
?>
```